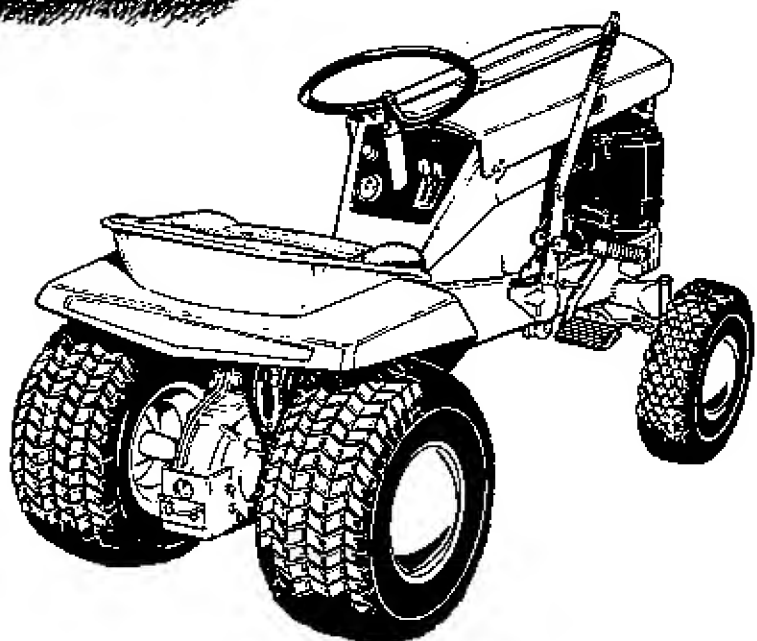
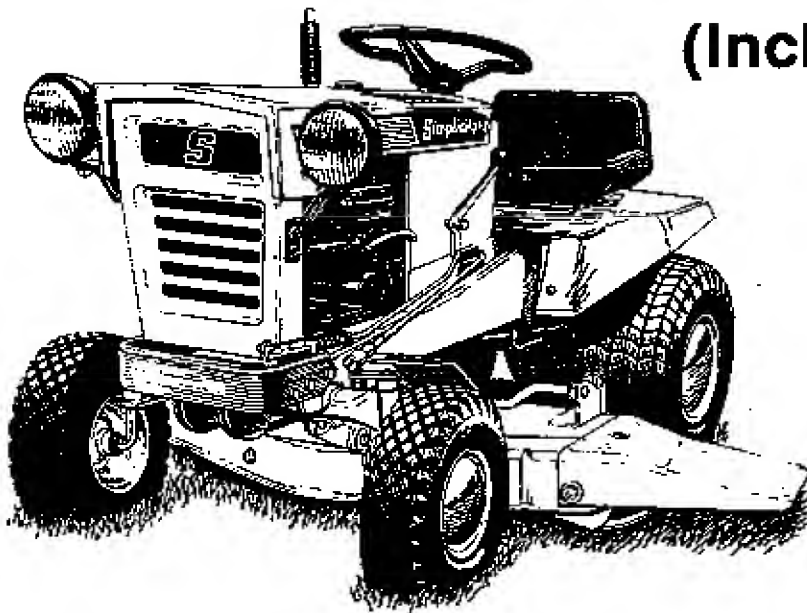


***Simplicity***  
MANUFACTURING, INC.

# PARTS MANUAL BROADMOOR TRACTORS

(Includes 1964 - 1976)



### Tractor Identification:

When ordering parts, keep your products serial number and manufacturer's number in mind. Variations may occur in a part between early and later model products, causing the product serial number to be listed in the parts description whenever these variations occur.

Record your I.D. numbers here for quick, future reference.

Tractor Mfg. No. \_\_\_\_\_ S/N \_\_\_\_\_. Mower Mfg. No. \_\_\_\_\_ S/N \_\_\_\_\_

### Attention:

Standard torques appear in a chart at the end of the manual, while important individual torques are given on specific parts drawings.

CRITICAL and MAJOR notations point out important facts or instructions which relate to personal safety and proper machine operation. Any CRITICAL notation **C** which may appear in this book, pinpoints characteristics which, if not properly followed, can create a safety hazard. Any MAJOR notation **M** which may appear in this book, marks characteristics which, if not properly followed, may result in operating failure, shortened product life, or greatly reduced quality of the unit.

For your convenience, assembly notes are included in parts drawings to assist in repair and assembly of unit.

**NOTE:** Specifications may change without notice.

**Simplicity**  
Technical Publications

## SIMPLICITY PRODUCTS FOR THE PROPER CARE OF EQUIPMENT

These genuine *Simplicity* products will help the owner extend the life of his equipment.

### OILS - SPECIFICALLY BLENDED OF HIGH QUALITY BASE OILS & ADDITIVES.

**Special Worm Gear (Roticut) Oil** for use in all tillers and snowthrowers with worm gear auger drive. Required for protection of brass gears and mating parts. Case of 12 Part #1685100.

**Multi-Purpose Hydraulic/Transmission Oil** for use in most hydraulic applications, and hydrostatic and gear transmissions. Specific *Simplicity* applications: All hydrostatic transmissions, all bevel gear cases. All Broadmoor, Landlord, Sovereign, 4000, 6000, 7000 transmissions (except Peerless Gear Transmissions).

**2-Cycle Engine Oil** a premium lubricant for all 2-cycle air-cooled engines. Case of 12 Part #1685517.

**SAE 5W 30 Cold Weather Engine Oil** for use in all four cycle engines at 30° temp. and under. Case of 12 Part #1685518.

**Grease Gun Kit** has 12" flexible hose to get into tight spots with ease. Kit contains: gun and 1-8 oz. tube of grease. Part #1685510. For replacement tube, order Part #103077.

**Touch-Up Paint** keeps equipment in showroom condition.

<u>Spray Cans</u>	<u>Quarts</u>	<u>Daubbers</u> <u>12/Ctn.</u>
Orange - 103262 (12 cans/1685179)	1685037	1685511
White - 103049 (12 cans/1685178)	1685032	1685512
		1685520 (Mixed Ctn.)

**Pneumatic Tire Seal**, seals all leaks including bead leaks and punctures up to 3/16 inch diameters. Prevents flats for tread life of tire. Available in following amounts.

11 Oz. Tube	1685523
Case of 24-11 Oz. Tubes	1685525
5 Gallon Pail	1685527

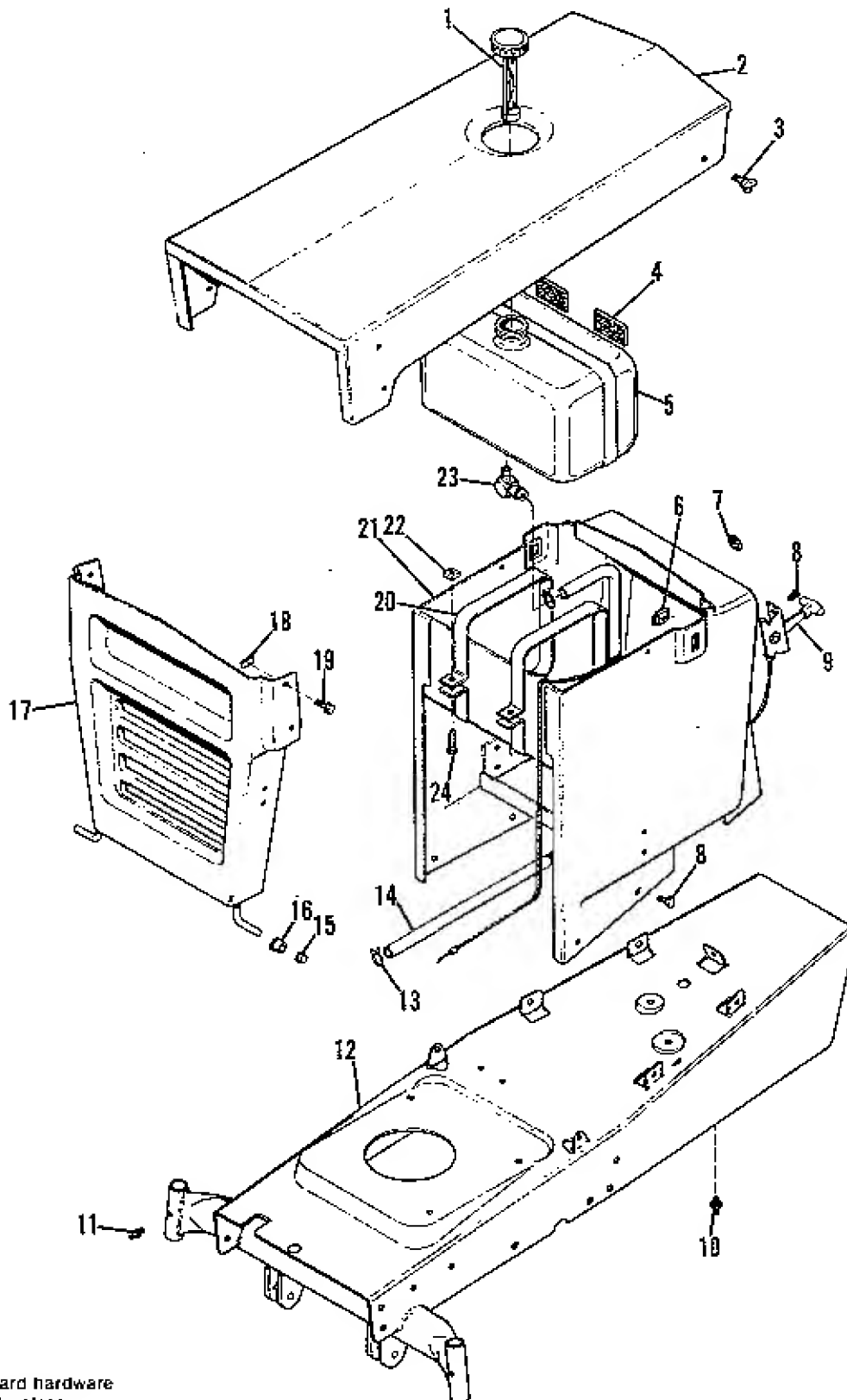
**Simplicity Designer Seat Covers** are double stitched, easy care vinyl. Keeps new seats new, makes worn seats look new.

• Small Cover for 4000, 5000, & 6100 Tractors	1685531
• Large Cover for 6200, 7000 & 9000 Tractors	1685530

**Extend Equipment Life - Use Only Genuine *Simplicity* Repair Parts**

# TABLE OF CONTENTS

Combination No.	Description	Frame, Hood & Dash Group	Front Wheels & Steering Group	Engine, Pulley, Brake & Clutch Group	Transmission Group	Electrical Group	Seat & Seat Support Group	Rear Wheels & Hitch Group	Power Take Off Group	Decor Group	Arbor Group	Mower Deck Group	Roller & Hitch Group	Adjusting Tubes Group	Hitch Group	Deflector & Stone Guard Group
1690106	5010 Broadmoor Tractor w/42" Rotary Mower 1690007 5010 Broadmoor Tractor 1690022 42" Rotary Mower	2	8	12	20	28	34	38	42	48	50	52	54	56	58	
1690020	5010 Broadmoor Tractor w/36" Rotary Mower 1690007 5010 Broadmoor Tractor 1690023 36" Rotary Mower	2	8	12	20	28	34	38	42	48	60	62	64			66
1690019	5008 Broadmoor Tractor w/36" Rotary Mower 1690008 5008 Broadmoor Tractor 1690023 36" Rotary Mower	2	8	12	20	28	34	38	42	48	60	62	64			66
990904	738 Broadmoor Tractor w/36" Rotary Mower 990898 738 Broadmoor Tractor 990864 36" Rotary Mower	4	8	12	20	30	34	38	42	48						
990780	728 Broadmoor Tractor w/36" Rotary Mower 990765 728 Broadmoor Tractor 990422 36" Rotary Mower	4	8	12	20	30	34	38	44		68		70			
990577	728 Broadmoor Tractor Electric 990422 36" Rotary Mower	4	8	16	20	32	34	38	44		68		70			
990489	727 Broadmoor Tractor Electric 990422 36" Rotary Mower	4	8	16	20		34	40	46		68		70			
990425	717 Broadmoor Tractor Electric 990422 36" Rotary Mower	6	10	18	24		36	40	46		68		70			
990424	717 Broadmoor Tractor Manual 990422 36" Rotary Mower	6	10	18	24		36	40	46		68		70			
990374	707 Broadmoor Tractor Electric 990289 32" Rotary Mower	6	10	18	24		36	40	46		72		74			
990375	707 Broadmoor Tractor Manual 990289 32" Rotary Mower	6	10	18	24		36	40	46		72		74			
990373	707 Broadmoor Tractor 990289 32" Rotary Mower	6	10	18	24		36	40	46		72		74			
990303	6 H.P. Broadmoor Tractor Electric 990289 32" Rotary Mower	6	10	18	24		36	40	46		72		74			
990288	6 H.P. Broadmoor Tractor 990289 32" Rotary Mower	6	10	18	24		36	40	46		72		74			
990287	6 H.P. Broadmoor Tractor 990289 32" Rotary Mower	6	10	18	24		36	40	46		72		74			



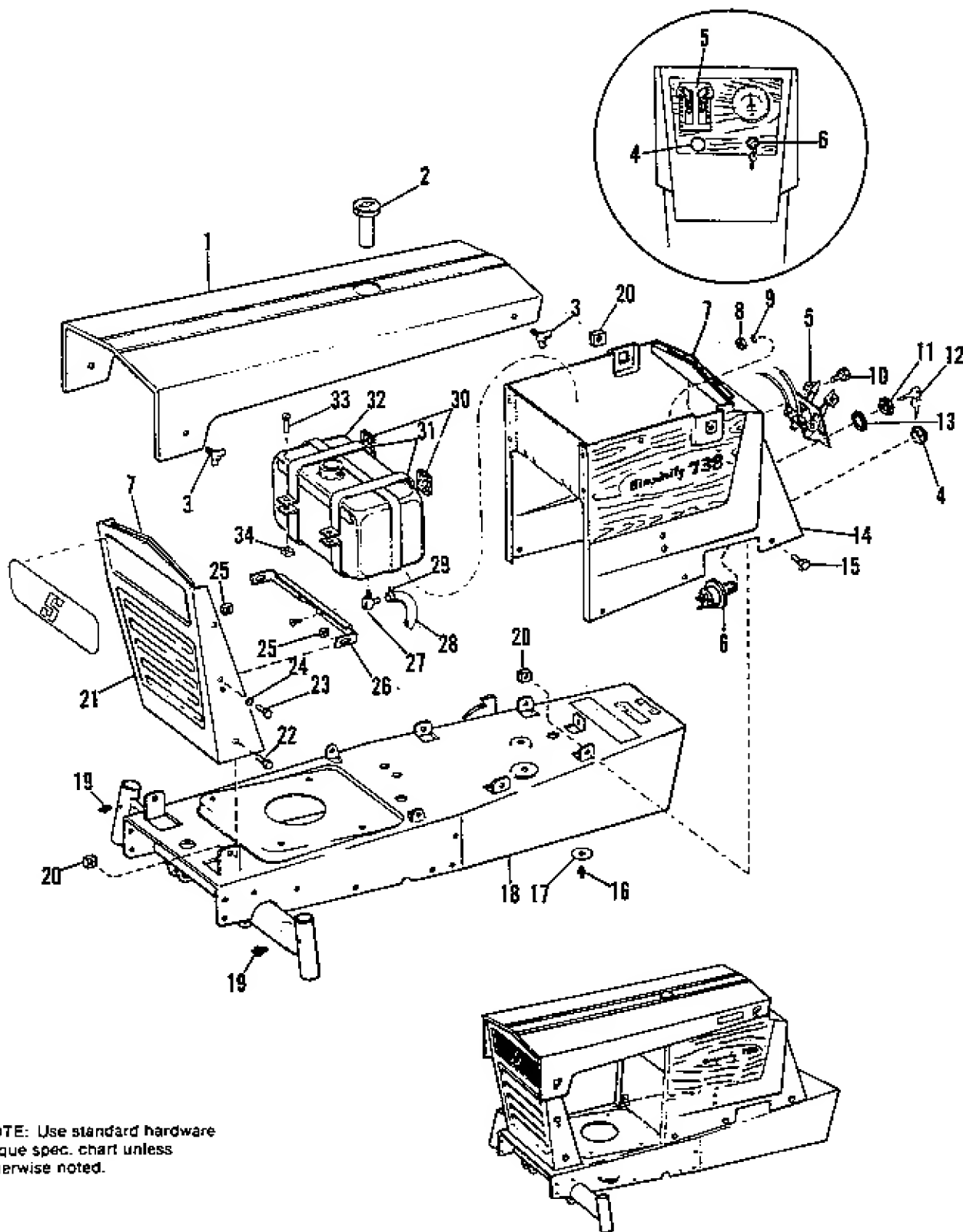
NOTE: Use standard hardware torque spec. chart unless otherwise noted.

## Frame, Hood &amp; Dash Group

**Simplicity**

3/80

Ref. No.	Part No.	Qty.	Description
1	156175	1	CAP, Fuel Tank
2	1650756	1	HOOD
3	928693	2	SCREW, Thumb
4	106592	2	GASKET, Felt
5	156174	1	TANK, Fuel
6	930659	2	NUT, Retainer
7	156319	1	BUTTON, Plug
8	927428	9	SCREW, Hex, Taplite, 1/4-20 x 3/8
9	1650999	1	CONTROL, Throttle
10	921133	1	FITTING, Grease
11	914687	2	FITTING, Grease
12	1650581	1	FRAME ASSY.
13	154372	2	CLAMP, Hose
14	1655313	1	HOSE, Fuel
15	1663430	2	PUSHNUT
16	118273	2	BUSHING
17	1650800	1	GRILLE ASSY.
18	928705	4	J-NUT
19	930594	4	SCREW, Hex, Flange, 1/4-20 x 3/4
20	156178	2	STRAP, Tank
21	1650819	1	DASH ASSY.
22	930633	2	NUT, Square, 1/4-20
23	174640	1	FITTING, Elbow, 90°
24	930534	2	SCREW, Machine, 1/4-20 x 1-1/2



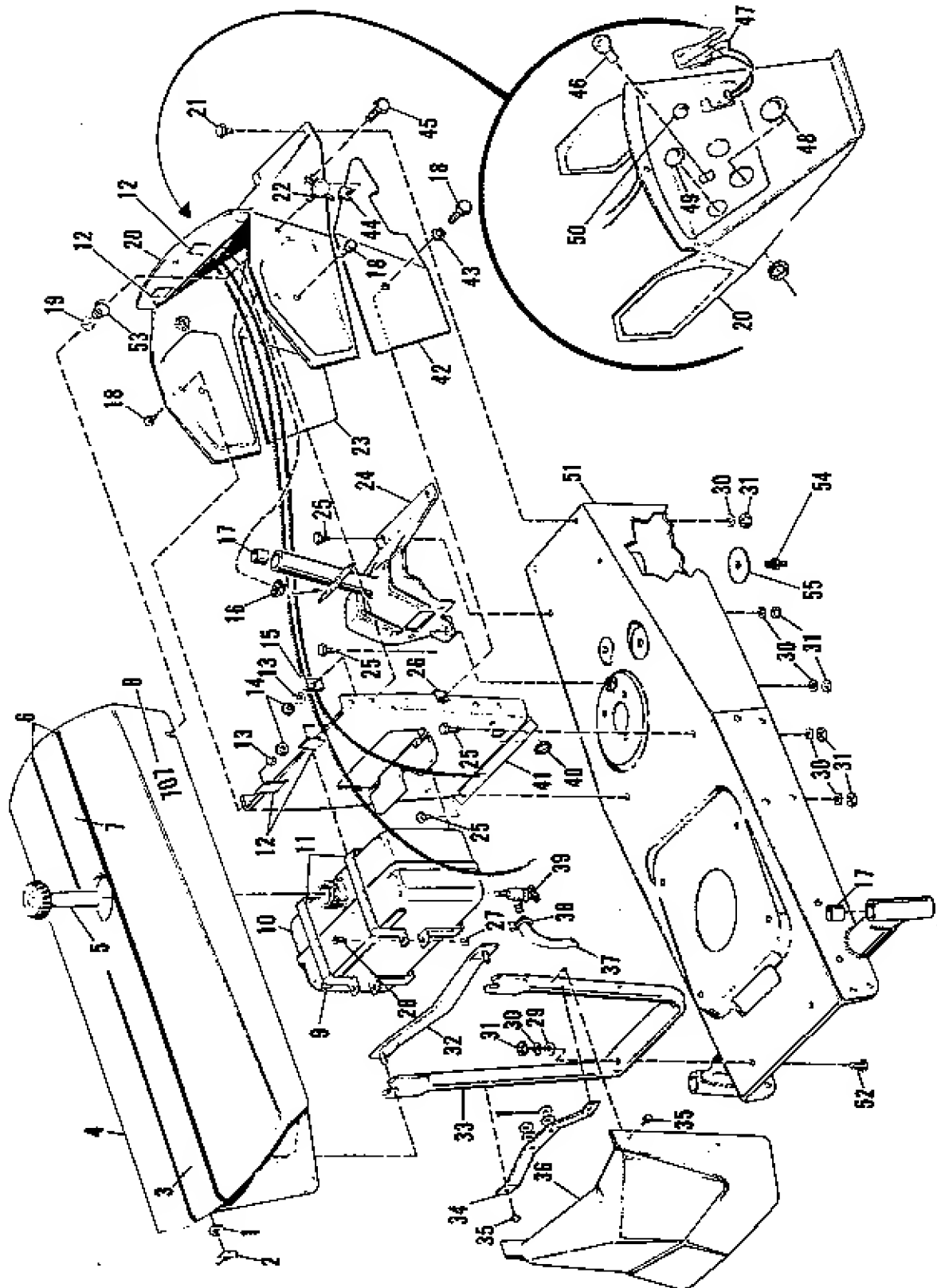
NOTE: Use standard hardware torque spec. chart unless otherwise noted.

## Frame, Hood &amp; Dash Group

**Simplicity**

3/80

Ref. No.	Part No.	Qty.	Description
1	165041	1	HOOD
2	156175	1	CAP, Fuel Tank
3	928693	4	SCREW, Thumb, 5/16-18 x 3/4
4	156319	1	BUTTON, Plug
5	165079	1	CONTROL, Dual
6	122201	1	SWITCH, Ignition
7	156372	2	DAMPENER, Vibration
8	916622	1	NUT, Hex, Full, 1/4-20
9	916964	1	LOCKWASHER, 1/4
10	918240	1	CAPSCREW, Hex Hd., 1/4-20 x 1-1/2
11	122235	1	NUT, Special
12	122203	1	KEYS
13	928636	1	LOCKWASHER, Int., 9/16
14	170090	1	DASH ASSY.
15	927428	7	SCREW, Hex, Taptite, 1/4-20 x 3/8
16	921133	1	FITTING, Grease
17	923212	1	WASHER, Plain, #10
18	1685068	1	FRAME ASSY. (990904 Only)
	174680	1	FRAME ASSY.
19	914687	2	FITTING, Grease
20	930659	6	NUT, Retainer
21	176356	1	GRILLE ASSY.
22	928729	2	SCREW, Hex, Taptite, 5/16-18 x 3/8
23	925205	2	CAPSCREW, Hex Hd., 5/16-18 x 5/8
24	917356	2	LOCKWASHER, 5/16
25	920470	2	NUT, Retainer
26	165056	1	GRILLE, Support
27	174640	1	VALVE, Shutoff (990780 & 990904 Only)
	156176	1	VALVE, Shutoff
28	1655313	1	HOSE, Fuel
29	154372	2	CLAMP, Hose
30	106582	2	GASKET, Felt
31	156178	2	STRAP, Tank
32	156174	1	TANK, Fuel
33	917492	2	SCREW, Machine, Fillister Hd., 1/4-20 x 1-3/4
34	930623	2	NUT, Square, 1/4-20



NOTE: Use standard hardware  
torque spec. chart unless  
otherwise noted.

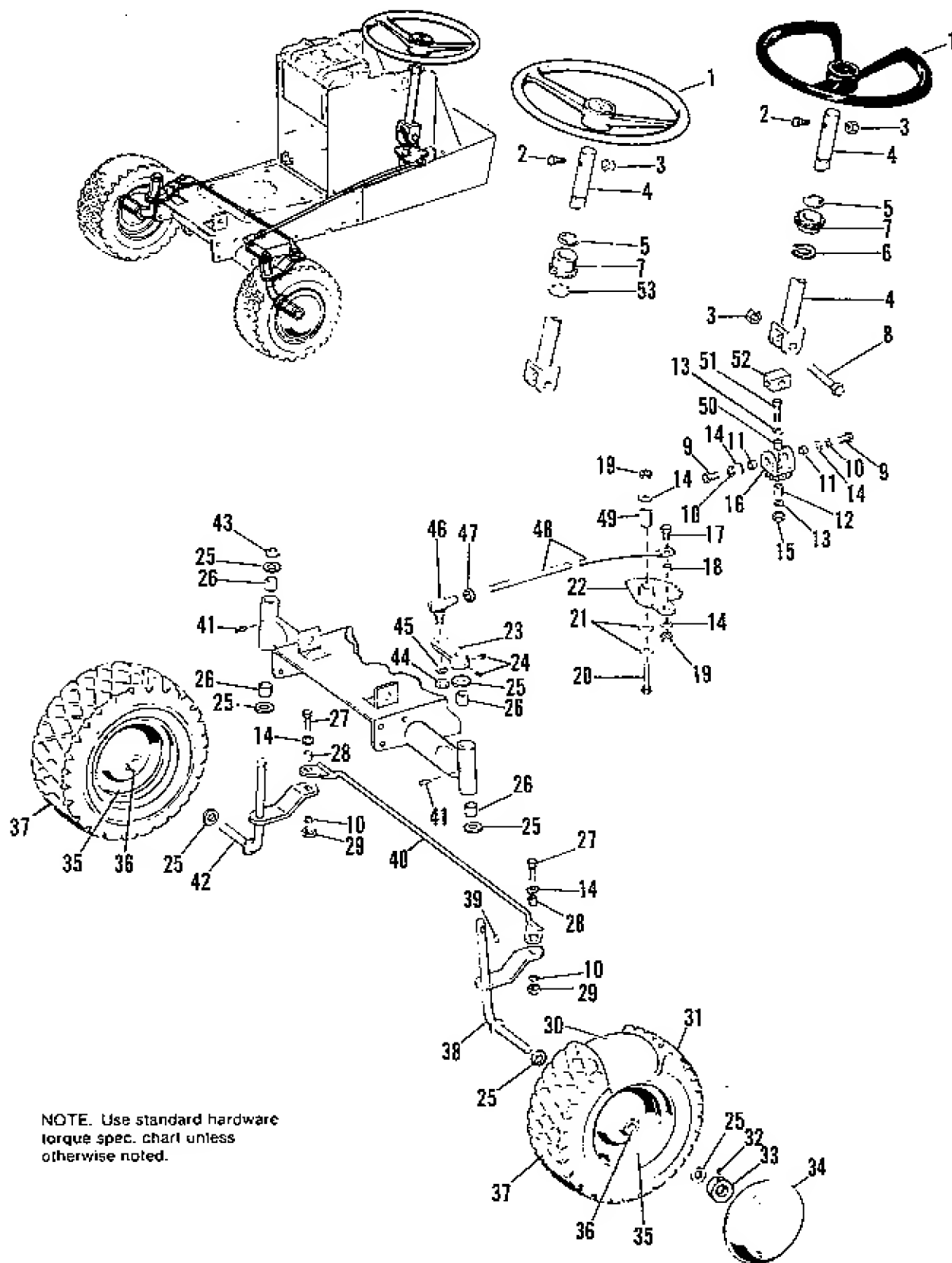


## Frame, Hood &amp; Dash Group

**Simplicity**

3/80

Ref. No.	Part No.	Qty.	Description
1	917377	5	WASHER, Plain, 1/4
2	918468	1	NUT, Wing, 5/16-18
3	156207	1	STRIP, Center, Front
4	156055	1	HOOD ASSY.
5	156175	1	CAP, Fuel Tank
6	156208	1	STRIP, Side
7	156206	1	STRIP, Center, Rear
8	156333	1	FILM, Simplicity & No.
9	156372	1	DAMPENER, Vibration
10	156174	1	TANK, Fuel
11	156178	2	STRAP, Tank
12	106582	4	GASKET, Fell
13	916964	2	LOCKWASHER, 1/4
14	916622	2	NUT, Hex, Full, 1/4-20
15	156042	1	CLAMP
16	927577	1	NUT, Flange, Whizlock, 5/16-18
17	154289	5	BUSHING
18	921958	4	CAPSCREW, Hex Hd., 1/4-20 x 1/2
19	923362	1	LOCKNUT, Hex, 5/16-18
20	156164	1	DASH ASSY.
21	156168	2	SCREW, Special
22	156309	2	HANDLE ASSY., Tee
23	156321	1	PANEL, Side, R.H.
24	156375	1	SUPPORT ASSY., Steering
25	925205	5	CAPSCREW, Hex Hd., 5/16-18 x 5/8
26	926018	4	NUT, Speed
27	930623	2	NUT, Square, 1/4-20
28	917492	2	SCREW, Fillister Hd., Machine, 1/4-20 x 1-3/4
29	917642	1	WASHER, Plain, 5/16
30	917356	6	LOCKWASHER, 5/16
31	917372	6	NUT, Hex, Full, 5/16-18
32	156160	1	BAR ASSY., Cross
33	156159	1	SUPPORT, Hood, Front
34	156232	1	BRACE, Hood Support
35	922122	6	SCREW, Hex, Self Tapping, #10 x 1/2
36	156199	1	GRILLE ASSY.
37	1655313	1	HOSE, Fuel
38	154372	2	CLAMP, Hose
39	156176	1	VALVE, Shutoff
40	154290	1	GROMMET
41	158061	1	SUPPORT, Fuel Tank
42	156322	1	PANEL, Side, L.H.
43	916964	4	LOCKWASHER, 1/4
44	920299	1	NUT, Speed
45	926020	2	SCREW, Hex, Self Tapping, #10 x 5/8
46	122048	1	SWITCH, Ignition
47	156193	1	CONTROL, Dual
48	156169	1	BUTTON, Plug
49	154288	1	BUTTON, Plug
50	156319	1	BUTTON, Plug
51	156047	1	FRAME ASSY.
52	919319	1	CAPSCREW, Hex Hd., 5/16-18 x 7/8
53	157127	1	SPRING, Conical
54	914687	1	FITTING, Grease
55	923212	1	WASHER, Plain, #10



NOTE. Use standard hardware torque spec. chart unless otherwise noted.

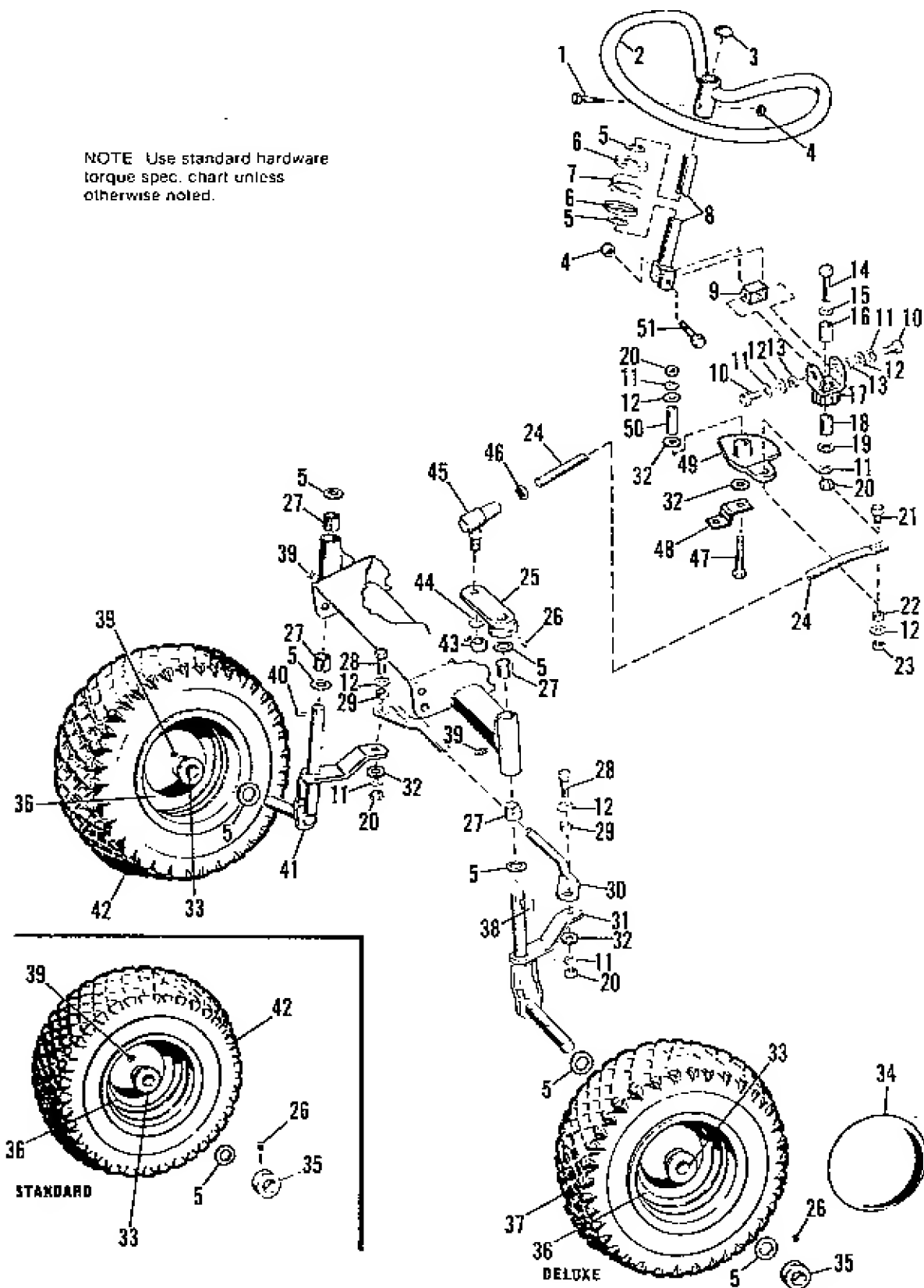
## Front Wheels &amp; Steering Group

**Simplicity**

3'80

Rel. No.	Part No.	Qty.	Description
1	163113	1	WHEEL ASSY., Steering (990489, 1690019, 1690020 & 1690106 Only)
	171053	1	WHEEL ASSY., Steering
2	921977	1	CAPSCREW, Hex Hd., 5/16-18 x 1-1/4
3	923362	2	LOCKNUT, Hex, 5/16-18
4	1650823	1	SHAFT ASSY., Steering (1690019, 1690020, 1690106)
	156029	1	SHAFT ASSY., Steering
5	158223	1	WASHER, Nylon (1690019, 1690020 & 1690106)
6	157241	1	RING, Snap
7	157077	1	BUSHING
8	930570	1	CAPSCREW, Hex Hd., 5/16-18 x 1-1/2
9	922126	2	CAPSCREW, Hex Hd., 3/8-16 x 3/4
10	916965	5	LOCKWASHER, 3/8 (Qty. 4 on 1690019, 1690020, 1690106 Only)
11	153081	2	SPACER
12	8161218	1	SPACER
13	156065	2	WASHER
14	917378	6	WASHER, Plain, 3/8
15	928731	1	LOCKNUT, Jam, 3/8-16
16	1650588	1	FORK & PINION ASSY.
17	921210	1	CAPSCREW, Hex Hd., 3/8-16 x 1
18	121349	1	SPACER
19	930651	2	LOCKNUT, Hex, 3/8-16 (Qty. 1 on 990489, 990577, 990780 & 990904 Only)
20	921972	1	CAPSCREW, Hex Hd., 3/8-16 x 2-1/2
21	8161199	2	WASHER
22	156065	1	GEAR ASSY., Steering
23	156007	1	LEVER ASSY., Steering
24	928721	2	SETSCREW, 5/16-18 x 1/2
25	108181	8	WASHER
26	154289	4	BUSHING
27	162053	2	SCREW, Special (1690019, 1690020, 1690106 Only)
	920415	2	CAPSCREW, Hex Hd., 3/8-16 x 1-1/4
28	154177	2	SPACER
29	916950	2	NUT, Hex, Full, 3/8-16
30	156214	2	TUBE
31	156213	2	TIRE
32	928691	2	SETSCREW, 5/16-18 x 5/16
33	8021010	2	COLLAR, Set
34	156210	2	HUB CAP, Front
35	156180	2	WHEEL
36	156316	2	BEARING
37	156212	2	WHEEL & TIRE ASSY.
38	165053	1	SPINDLE ASSY., L.H.
39	930570	2	KEY, Hi-Pro
40	1651326	1	LINK ASSY., Drag (1690019, 1690020, 1690106 Only)
	156069	1	LINK ASSY., Drag
41	914687	2	FITTING, Grease
42	165051	1	SPINDLE ASSY., R.H.
43	927794	1	RING, Retaining
44	919423	1	NUT, Hex, Full, 1/2-20
45	916966	1	LOCKWASHER, 1/2
46	154301	1	JOINT, Ball
47	919262	1	LOCKNUT, Jam, 1/2-20
48	1650589	1	ROD, Tie (1690019, 1690020, 1690106 Only)
	156320	1	ROD, Tie
49	8061058	1	SPACER
50	156064	1	BUSHING
51	923470	1	CAPSCREW, Hex Hd., 3/8-16 x 1-1/2
52	154153	1	PIN, Universal Joint
53	154264	1	RING, Retaining (990489, 990577, 990780 & 990904 Only)

NOTE Use standard hardware torque spec. chart unless otherwise noted.

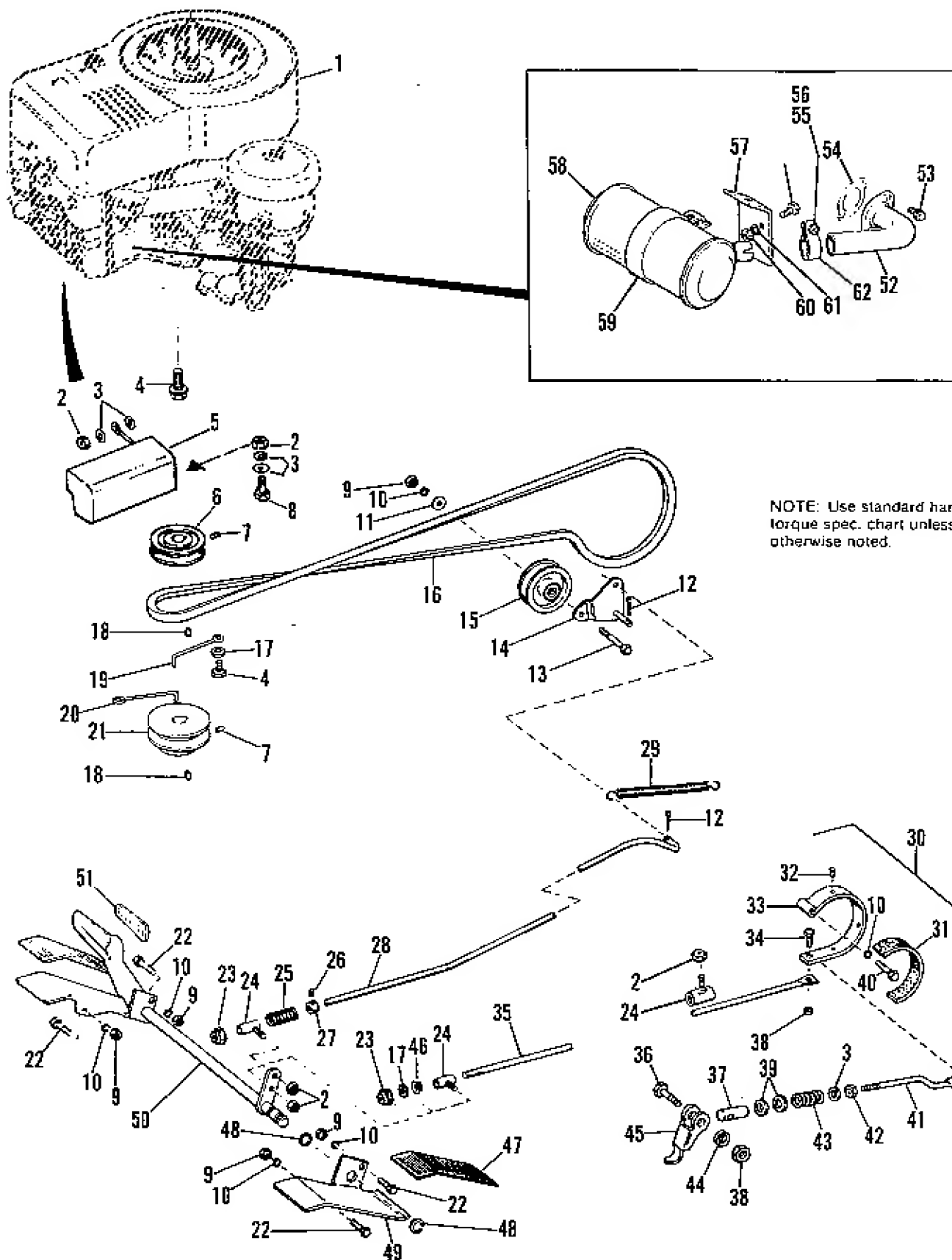


## Steering &amp; Front Wheel Group

**Simplicity**

3/80

Ref. No.	Part No.	Qty.	Description
1	921977	1	CAPSCREW, Hex Hd., 5/16-18 x 1-1/4
2	163113	1	WHEEL, Steering
3	156279	1	BUTTON, Plug
4	923362	2	LOCKNUT, Hex, 5/16-18
5	108181	10	WASHER
6	154399	2	CUP, Spring
7	154398	1	SPRING, Compression
8	156029	1	SHAFT ASSY., Steering
9	154153	1	PIN, Universal Joint
10	921965	2	CAPSCREW, Hex Hd., 3/8-16 x 3/4
11	916965	6	LOCKWASHER, 3/8
12	917378	6	WASHER, Plain, 3/8
13	153081	2	SPACER
14	922606	1	CAPSCREW, Hex Hd., 3/8-16 x 1-3/4
15	156065	1	WASHER
16	156064	1	BUSHING
17	156027	1	FORK & PINION ASSY.
18	8161218	1	SPACER
19	917642	1	WASHER, Plain, 5/16
20	916950	3	NUT, Hex, Full, 3/8-16
21	921210	1	CAPSCREW, Hex Hd., 3/8-16 x 1
22	121349	1	SPACER
23	930651	1	LOCKNUT, Hex, 3/8-16
24	155320	1	ROD, Tie
25	156007	1	LEVER ASSY., Steering
26	928721	5	SETSCREW, 5/16-18 x 1/2
27	154289	4	BUSHING
28	920415	2	CAPSCREW, Hex Hd., 3/8-16 x 1-1/4
29	154177	2	SPACER
30	156069	1	LINK ASSY., Drag
31	156005	1	SPINDLE ASSY., L.H.
32	8161199	4	WASHER
33	156316	4	BUSHING
34	156210	2	HUB CAP, Front
35	8021010	4	COLLAR, Set
36	156180	2	RIM (Deluxe & Standard)
37	156212	2	WHEEL & TIRE ASSY., Front (Deluxe)
38	930670	1	KEY, Hi-Pro
39	912808	4	FITTING, Grease
40	915523	1	PIN, Roll
41	156004	1	SPINDLE ASSY., R.H.
42	156179	2	WHEEL & TIRE ASSY., Front
43	919423	1	NUT, Hex, Full, 1/2-20
44	916966	1	LOCKWASHER, 1/2
45	154301	1	JOINT, Ball
46	919262	1	LOCKNUT, Jam, 1/2-20
47	919363	1	CAPSCREW, Hex Hd., 3/8-16 x 2-1/2
48	174893	1	CLIP, Spring
49	156066	1	GEAR ASSY., Steering
50	8061058	1	SPACER
51	930570	1	CAPSCREW, Hex Hd., 5/16-18 x 1 1/2



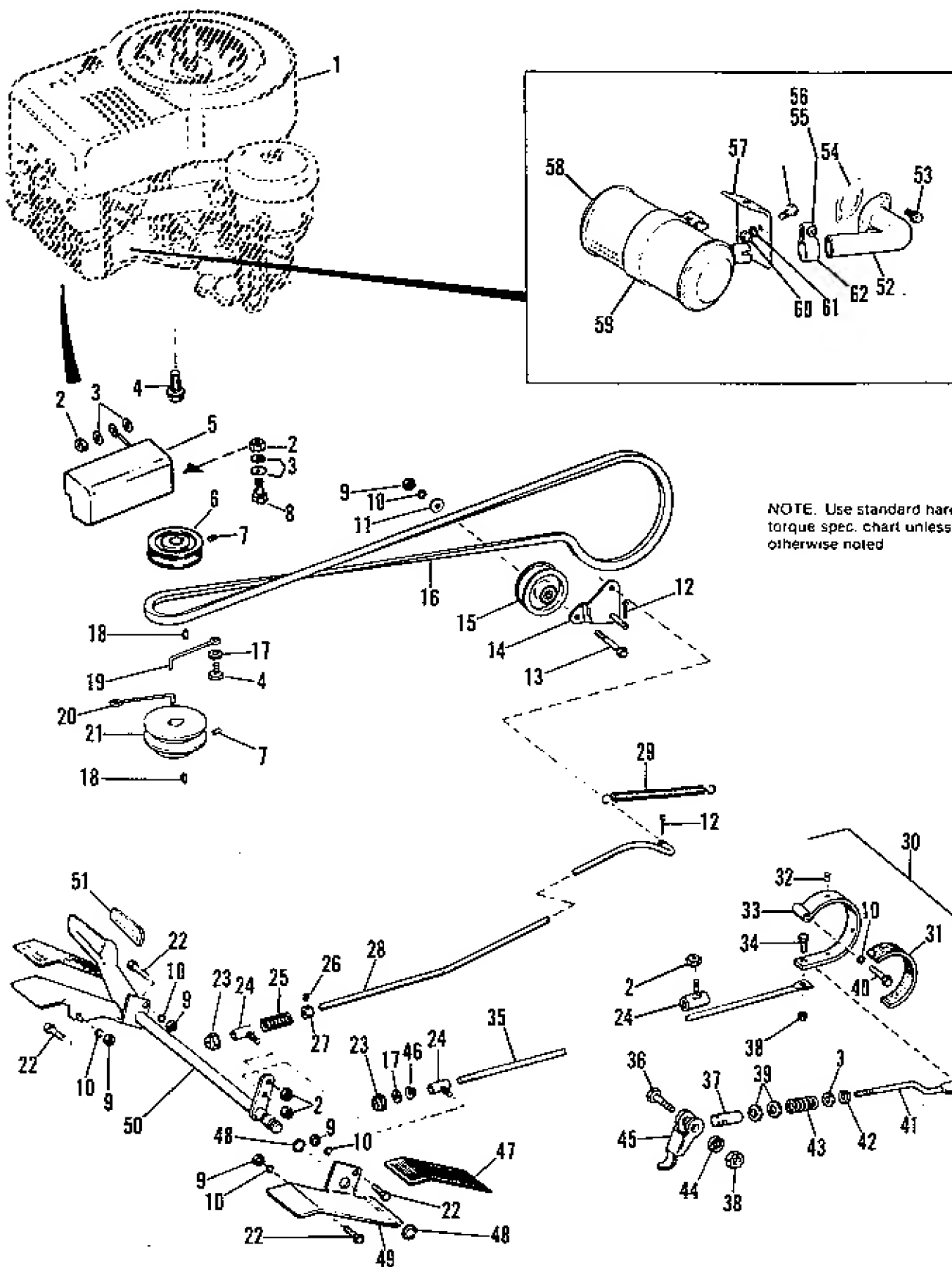
## Engine, Pulley, Brake &amp; Clutch Group

**Simplicity**

3/80

Ref. No.	Part No.	Qty.	Description
1		1	ENGINE, 8 H.P. Briggs & Stratton (1690019)
		1	ENGINE, 10 H.P. Briggs & Stratton (1690020, 1690106)
		1	ENGINE, 7 H.P., Briggs & Stratton
2	923362	5	LOCKNUT, Hex, 5/16-18 (Qty. 3 on 990780, 1690020 & 1690106)
3	917377	5	WASHER, Plain, 1/4 (Qty. 1 on 990780, 1690020 & 1690106)
4	928635	4	CAPSCREW, Hex Hd., 3/8-16 x 1-1/4
5	176896	1	GUARD ASSY. (990904 & 1690019 Only)
6	1651566	1	PULLEY
7	928691	2	SETSCREW, 5/16-18 x 5/16
8	922127	1	CAPSCREW, Hex Hd., 5/16-18 x 3/4 (990904, 1690019 Only)
9	916950	5	NUT, Hex, Full, 3/8-16
10	916965	6	LOCKWASHER, 3/8
11	917642	2	WASHER, Plain, 5/16
12	918451	2	PIN, Cotter, 1/8 x 3/4
13	920415	1	CAPSCREW, Hex Hd., 3/8-16 x 1-1/4
14	162021	1	BRACKET ASSY., Pulley
15	106716	1	PULLEY, Idler
16	165048	1	V-BELT, Drive
17	917378	2	WASHER, Plain, 3/8
18	154096	2	KEY
19	165044	1	STOP, Belt
20	170786	1	STOP, Belt
21	156111	1	PULLEY, Engine
22	921965	4	CAPSCREW, Hex Hd., 3/8-16 x 3/4
23	924433	2	LOCKNUT, Elastic, 5/16-18 (1690019, 1690020, 1690106)
24	156303	3	GUIDE ASSY., Rod
25	157041	1	SPRING, Compression
26	928804	3	SETSCREW, 1/4-20 x 3/8
27	8191022	3	COLLAR, Set
28	1650865	1	ROD, Clutch (1690019, 1690020 & 1690106 Only)
	170065	1	ROD, Clutch
29	165068	1	SPRING, Return
30	156134	1	BAND ASSY., Brake
31	156135	1	LINING, Brake

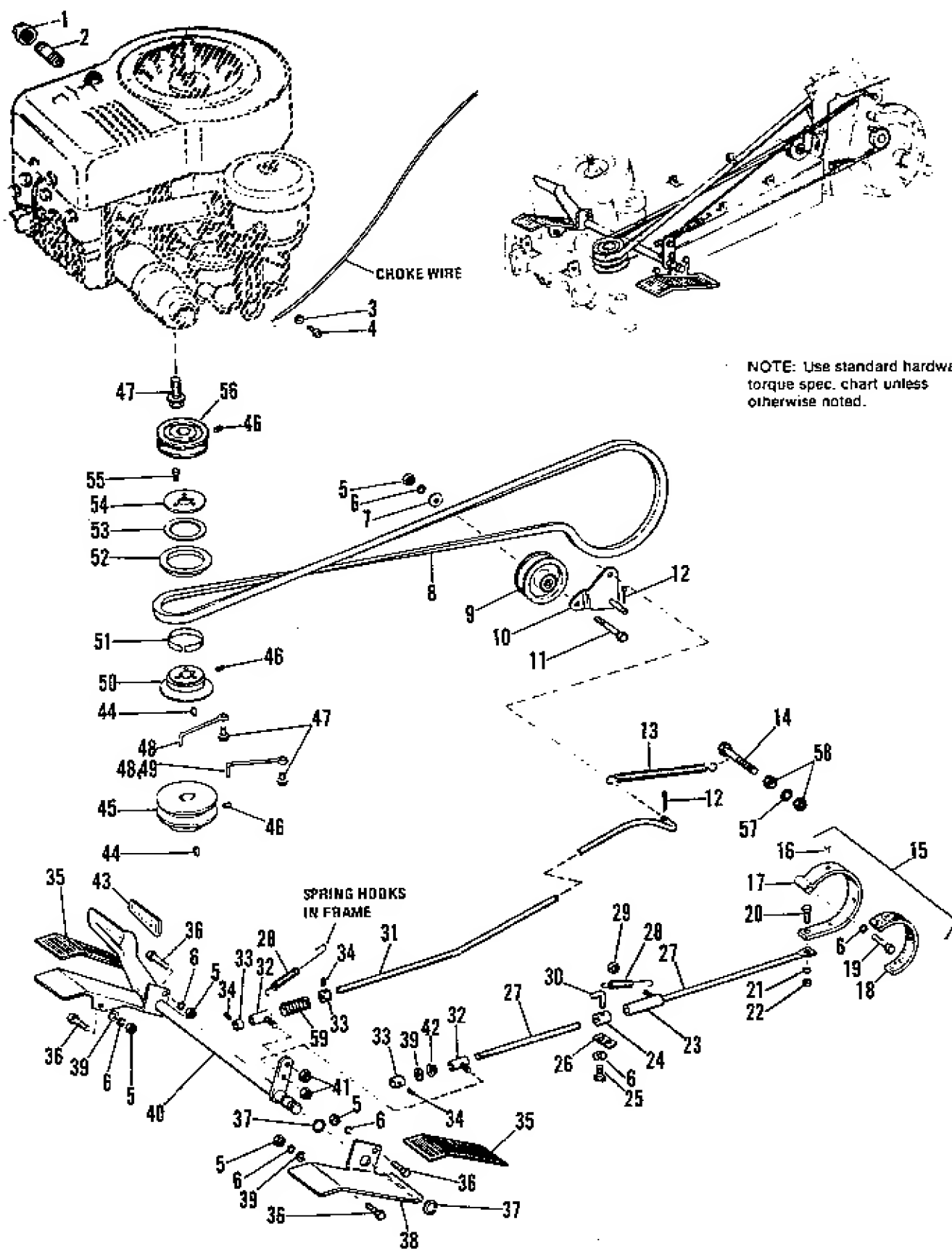
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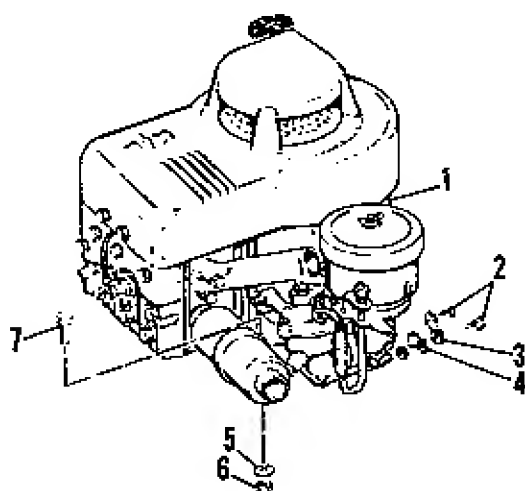


Ref. No.	Part No.	Qty.	Description
32	928810	3	RIVET, #7 x 1/4
33	156135	1	BAND, Brake
34	927340	1	CAPSCREW, Hex Hd., 1/4-20 x 3/4
35	1650864	1	ROD, Brake (1690019, 1690020 & 1690106 Only)
	156132	1	ROD, Brake
36	928745	1	CAPSCREW, Hex Hd., 1/4-20 x 1-1/4
37	171994	1	ROD, End
38	923329	2	LOCKNUT, Hex, 1/4-20
39	918431	2	WASHER, Plain, 1/2
40	919360	1	CAPSCREW, Hex Hd., 3/8-16 x 1-1/2
41	174636	1	ROD, Parking Brake (Not used on 990904)
	1608435	1	ROD, Parking Brake (990904 Only)
42	917372	1	NUT, Hex, Full, 5/16-18
43	174482	1	SPRING
44	930666	1	LOCKWASHER, Double, 1/4
45	172108	1	LEVER, Parking Brake
46	157127	1	SPRING, Conical
47	162054	2	COVER, Footrest (990780 & 990904 Only)
48	1602155	2	RING, Snap
49	1650447	1	FOOTREST, L.H. (1690019, 1690020 & 1690106)
	162029	1	FOOTREST, L.H.
50	1650452	1	SHAFT ASSY., Clutch
51	162098	1	PAD, Pedal (990780 & 990904 Only)
52	1650509	1	PIPE, Exhaust (1690020 & 1690106 Only)
53	930591	2	SCREW, Hex, Whizlock, 5/16-18 x 3/4 (1690020 & 1690106 Only)
54	1650670	1	GASKET (1690020 & 1690106 Only)
55	921977	1	CAPSCREW, Hex Hd., 5/16-18 x 1-1/4 (1690020 & 1690106 Only)
56	917372	1	NUT, Hex, Full, 5/16-18 (1690020 & 1690106 Only)
57	1650822	1	BRACKET, Muffler (1690020 & 1690106 Only)
58	1650508	1	MUFFLER (1690020 & 1690106 Only)
59	1650821	1	CLAMP (1690020 & 1690106 Only)
60	923362	1	LOCKNUT, Hex, 5/16-18 (1690020 & 1690106 Only)
61	917356	1	LOCKWASHER, 5/16 (1690020 & 1690106 Only)
62	1650671	1	CLAMP (1690020 & 1690106 Only)
63	927477	1	SCREW, Hex, Taplite, 5/16-18 x 1

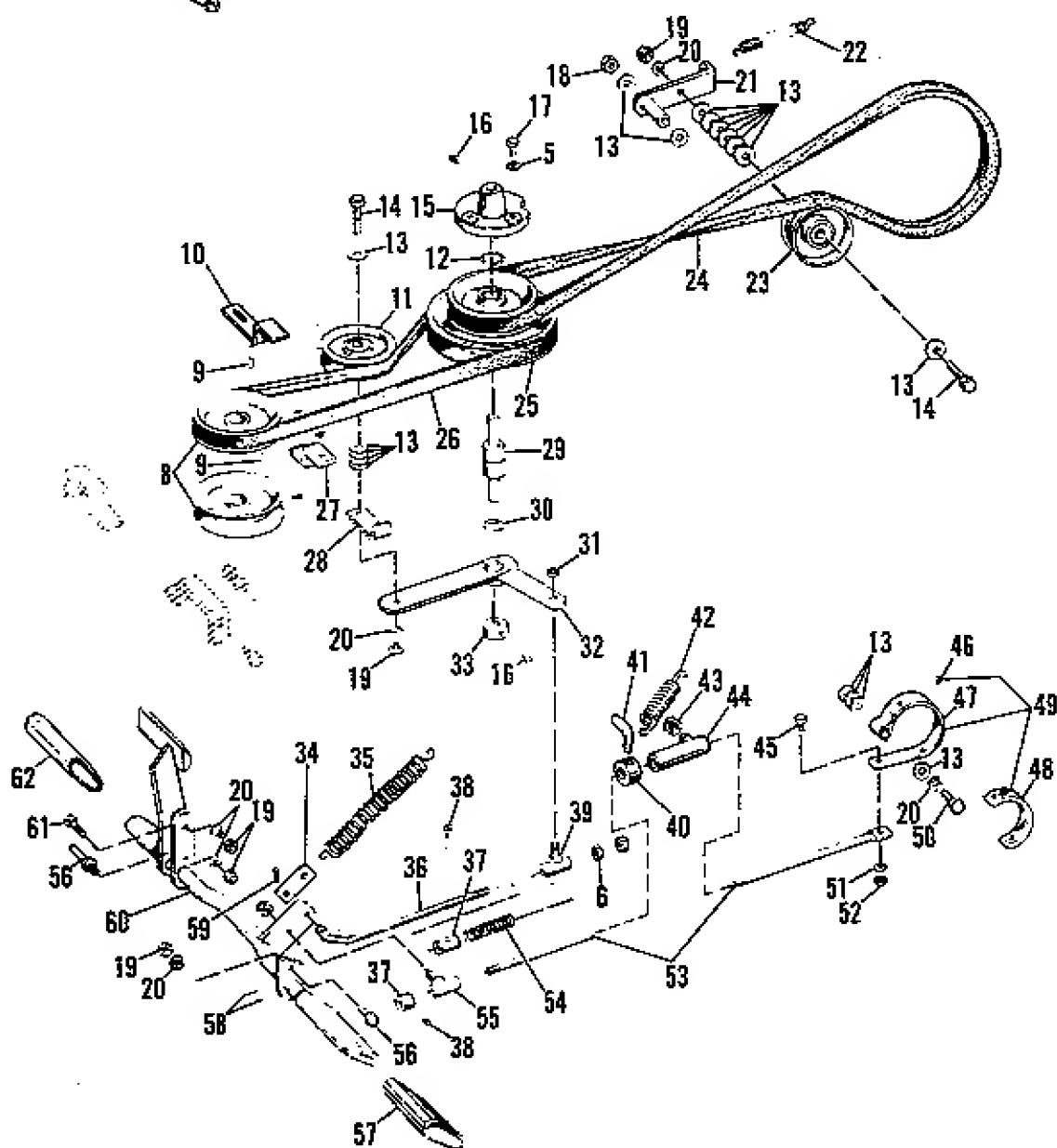
NOTE: Parts Ref. No. 1-31 found on preceding page.



Ref. No.	Part No.	Qty.	Description
1	901752	1	CAP, Pipe, 3/8
2	157497	1	NIPPLE, Pipe
3	923212	1	WASHER, Plain, #10
4	922121	1	SCREW, Machine, #10-32 x 3/8
5	916950	6	NUT, Hex, Full, 3/8-16 (Qty. 5 on 990489 Only)
6	916965	7	LOCKWASHER, 3/8 (Qty. 6 on 990489 Only)
7	917642	1	WASHER, Plain, 5/16
8	165048	1	V-BELT
9	106716	1	PULLEY, Idler
10	162021	1	BRACKET ASSY.
11	920415	1	CAPSCREW, Hex Hd., 3/8-16 x 1-1/4
12	918451	2	PIN, Cotter, 1/8 x 3/4
13	165068	1	SPRING, Return
14	919355	1	CAPSCREW, Hex Hd., 5/16-18 x 2-1/2 (990489 Only)
	921971	1	CAPSCREW, Hex Hd., 3/8-16 x 1-3/4
15	156134	1	BRAND ASSY., Brake
16	926021	3	RIVET, #7 x 1/4
17	156135	1	BAND, Brake
18	156136	1	LINING, Brake
19	919360	1	CAPSCREW, Hex Hd., 3/8-16 x 1-1/2
20	922129	1	CAPSCREW, Hex Hd., 1/4-20 x 1/2
21	916964	1	LOCKWASHER, 1/4
22	916622	1	NUT, Hex, Full, 1/4-20
23	165075	1	GUIDE ASSY., Rod
24	157087	1	COLLAR, Parking Brake
25	928730	1	SCREW, Hex, Taplite, 3/8-16 x 1/2
26	170659	1	ANCHOR, Spring (990577 Only)
27	156132	1	ROD, Brake
28	159106	2	SPRING (Qty. 1 on 990577 Only)
29	923358	1	LOCKNUT Hex, 1/4-20
30	157088	1	LOCK, Parking Brake
31	165045	1	ROD, Clutch (990489 Only)
	170065	1	ROD, Clutch
32	156303	2	GUIDE ASSY., Rod;
33	8191022	3	COLLAR, Set
34	928804	3	SETSCREW, 1/4-20 x 3/8
35	162054	2	COVER, Footrest
36	921965	4	CAPSCREW, Hex Hd., 3/8-16 x 3/4
37	1602155	2	RING, Snap
38	162029	1	FOOTREST, L.H.
39	917378	2	WASHER, Plain, 3/8 (Qty. 1 on 990577 Only)
40	1650452	1	SHAFT ASSY., Clutch
41	923362	2	LOCKNUT, Hex, 5/16-18
42	157127	1	SPRING (990577 Only)
43	162098	1	PAD, Pedal
44	154096	2	KEY
45	156111	1	PULLEY, Engine
46	928691	3	SETSCREW, 5/16-18 x 5/16 (Qty. 2 on 990577 Only)
47	928635	6	SCREW, Hex, Washer Hd., Taplite, 3/8-16 x 1-1/4
48	165044	2	STOP, Belt (Qty. 1 on 990577 Only)
49	170786	1	STOP, Belt (990577 Only)
50	165087	1	PULLEY, Half (990489 Only)
51	165089	1	BEARING (990489 Only)
52	165088	1	PULLEY, Half (990489 Only)
53	165090	1	WASHER, Thrust (990489 Only)
54	165091	1	WASHER, Thrust (990489 Only)
55	923188	3	SCREW, Hex, Self Tapping 1/4-20 x 1-2 (990489 Only)
56	1551566	1	PULLEY, Engine (990489 Only)
57	917356	1	LOCKWASHER, 5/16 (990489 Only)
58	917372	2	NUT, Hex, Full, 5/16-18 (990489 Only)
59	157041	1	SPRING (990577 Only)



NOTE: Use standard hardware torque spec. chart unless otherwise noted.

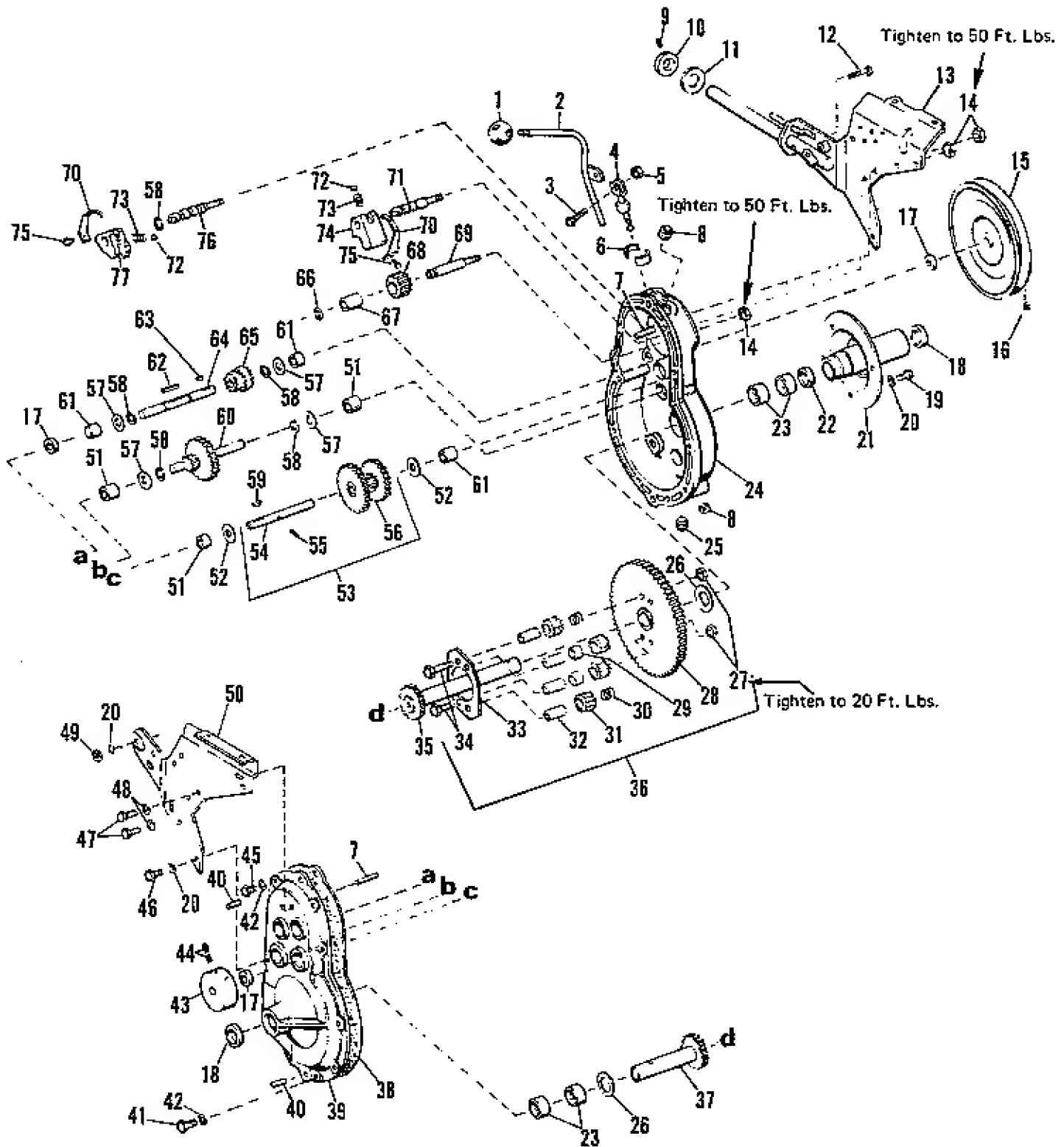


## Engine, Pulley, Brake &amp; Clutch Group

**Simplicity**

3/80

Ref. No.	Part No.	Qty.	Description
1		1	ENGINE, Briggs & Stratton, Power-Kraft Model Type
2	923735	2	SCREW, Hex, Thread Forming, #10 x 3/8
3	156194	1	BRACKET, Choke
4	154247	1	CLAMP
5	917356	5	LOCKWASHER, 5/16
6	917372	6	NUT, Hex, Full, 5/16-18
7	921977	4	CAPSCREW, Hex Hd., 5/16-18 x 1-1/4
8	156111	1	PULLEY, Engine
9	154096	2	KEY
10	156331	1	STOP, Belt
11	108386	1	PULLEY, Idler
12	156114	1	RING, Snap
13	917642	18	WASHER, Plain, 5/16
14	921971	2	CAPSCREW, Hex Hd., 3/8-16 x 1-3/4
15	156115	1	HUB, Pulley Shaft & Bearing
16	928721	2	SETSCREW, 5/16-18 x 1/2
17	925205	3	CAPSCREW, Hex Hd., 5/16-18 x 5/8
18	930651	1	LOCKNUT, Hex, 3/8-16
19	916950	4	NUT, Hex, Full, 3/8-16
20	916965	5	LOCKWASHER, 3/8
21	156121	1	LEVER ASSY., Idler
22	156302	1	SPRING
23	156124	1	PULLEY, Idler
24	156120	1	V-BELT
25	156112	1	PULLEY, Double
26	156231	1	V-BELT
27	156041	1	STOP, Belt
28	156040	1	STOP, Belt
29	156113	1	SHAFT & BEARING
30	156116	1	WASHER
31	923362	1	LOCKNUT, Hex, 5/16-18
32	156117	1	LEVER ASSY., Idler
33	8031007	1	COLLAR, Set
34	156270	1	LINK
35	118170	1	SPRING
36	156118	1	ROD, Clutch
37	8191022	2	COLLAR, Set
38	928804	2	SETSCREW, 1/4-20 x 3/8
39	164094	1	GUIDE ASSY., Rod
40	157087	1	COLLAR, Parking Brake
41	157088	1	LOCK, Parking Brake
42	121037	1	SPRING
43	923359	1	LOCKNUT, Hex, 1/4-20
44	156304	1	GUIDE ASSY., Rod
45	922129	1	CAPSCREW, Hex Hd., 1/4-20 x 1/2
46	928308	3	RIVET, #7 x 5/16
47	156135	1	BAND, Brake
48	156136	1	LINING, Brake
49	156134	1	BAND ASSY., Brake
50	921969	1	CAPSCREW, Hex Hd., 3/8-16 x 1-1/2
51	916964	1	LOCKWASHER, 5/16
52	916622	1	NUT, Hex, Full, 1/4-20
53	156132	1	ROD, Brake
54	157041	1	SPRING
55	156303	1	GUIDE ASSY., Rod
56	156131	2	STUD
57	156226	1	COVER, Footrest, L H.
58	916001	2	PIN, Roll, 3/16 x 1
59	922000	1	PIN, Cotter, 3/32 x 3/4
60	156125	1	SHAFT ASSY., Foot Pedal
61	921210	1	CAPSCREW, Hex Hd., 3/8-16 x 1
62	156225	1	COVER, Footrest, R H.



NOTE: Use standard hardware torque spec. chart unless otherwise noted.

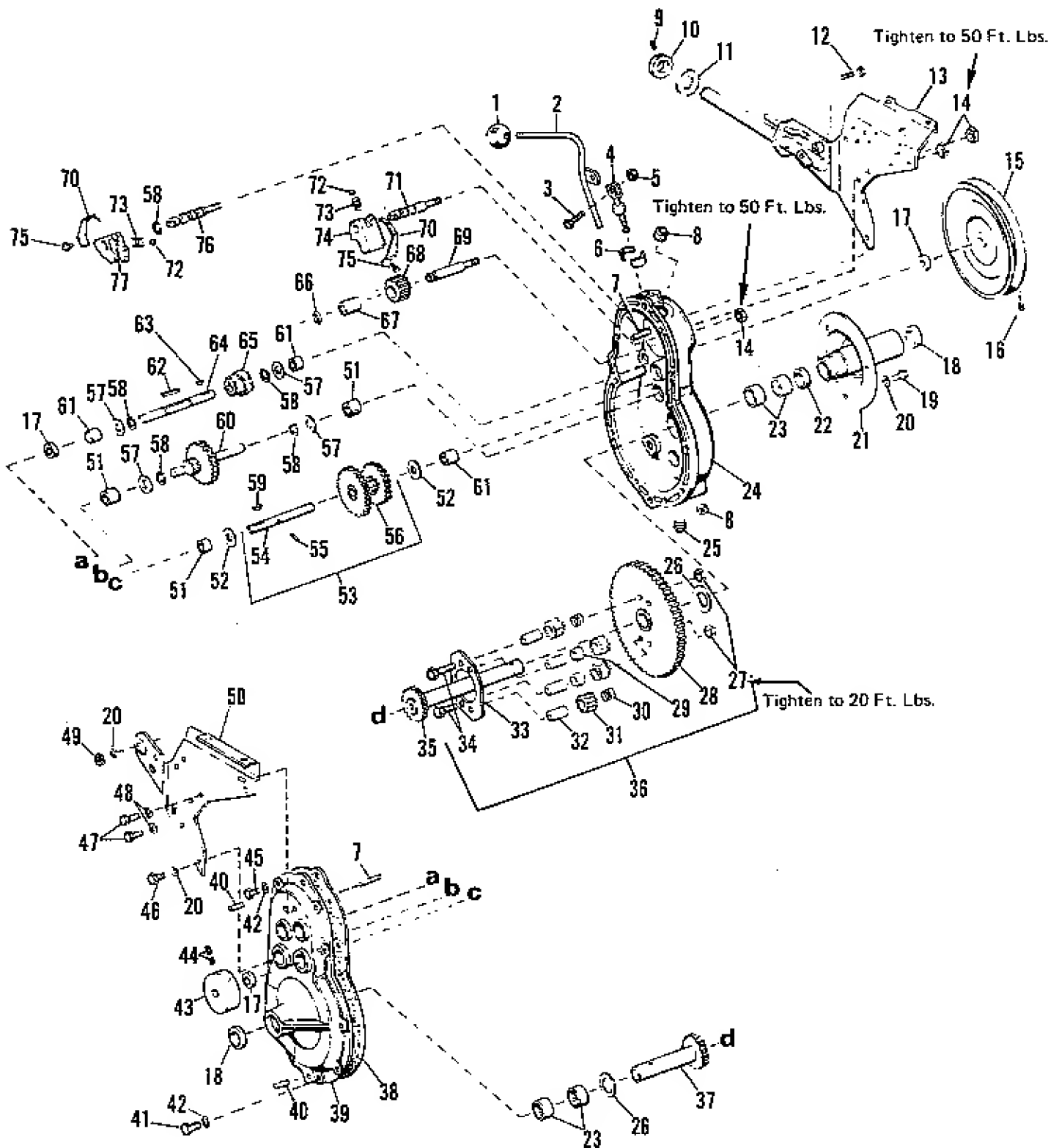
## Transmission Group

**Simplicity**

3/80

Ref. No.	Part No.	Qty.	Description
1	8021050	1	KNOB
2	165063	1	ROD ASSY., Shift
3	923341	1	CAPSCREW, Hex Hd., 1/4-20 x 3/4
4	156031	1	ROD ASSY., shift
5	923358	1	LOCKNUT, Hex, 1/4-20
6	101042	2	BUSHING, Half
7	156308	2	PIN ASSY., Roll
8	930676	2	PLUG, Pipe
9	928721	2	SETSCREW, 5/16-18 x 1/2
10	154065	1	COLLAR, Set
11	105050	1	WASHER, Thrust
12	921971	1	CAPSCREW, Hex Hd., 3/8-16 x 1-3/4
13	1655080	1	PLATE ASSY., Side
14	918213	3	NUT, Hex, Full, 7/16-14
15	156119	1	PULLEY, Transmission
16	924624	1	SETSCREW, 3/8-24 x 3/8
17	156084	2	SEAL, Oil
18	118118	2	SEAL, Oil
19	921966	3	CAPSCREW, Hex Hd., 3/8-16 x 7/8
20	916965	5	LOCKWASHER, 3/8
21	156096	1	HOUSING ASSY., Axle
22	156099	1	O-RING
23	105195	4	BEARING, Roller
24	1655991	1	CASE ASSY., Gear (Includes 918113, 156072, 156073, 101042, 156308 & 156031)
25	901653	1	PLUG, Pipe
26	105083	2	WASHER
27	930651	4	LOCKNUT, Hex, 3/8-16
28	1663715	1	GEAR ASSY., Drive
29	121084	2	SPACER, Diff.
30	162085	2	SPRING
31	158579	4	PINION, Diff.
32	121083	4	SPINDLE
33	156002	1	PLATE, Diff.
34	921972	4	CAPSCREW, Hex Hd., 3/8-16 x 2-1/2
35	165016	1	SHAFT ASSY., Axle, R.H.
36	1550626	1	GEAR ASSY., Drive
37	165019	1	SHAFT ASSY., Axle
38	156103	1	GASKET
39	165018	1	COVER ASSY., Gear Case W/Bearings
40	918113	2	PIN, Roll, 3/8 x 1

NOTE: Parts Ref. No. 41-77 continued on the following page.

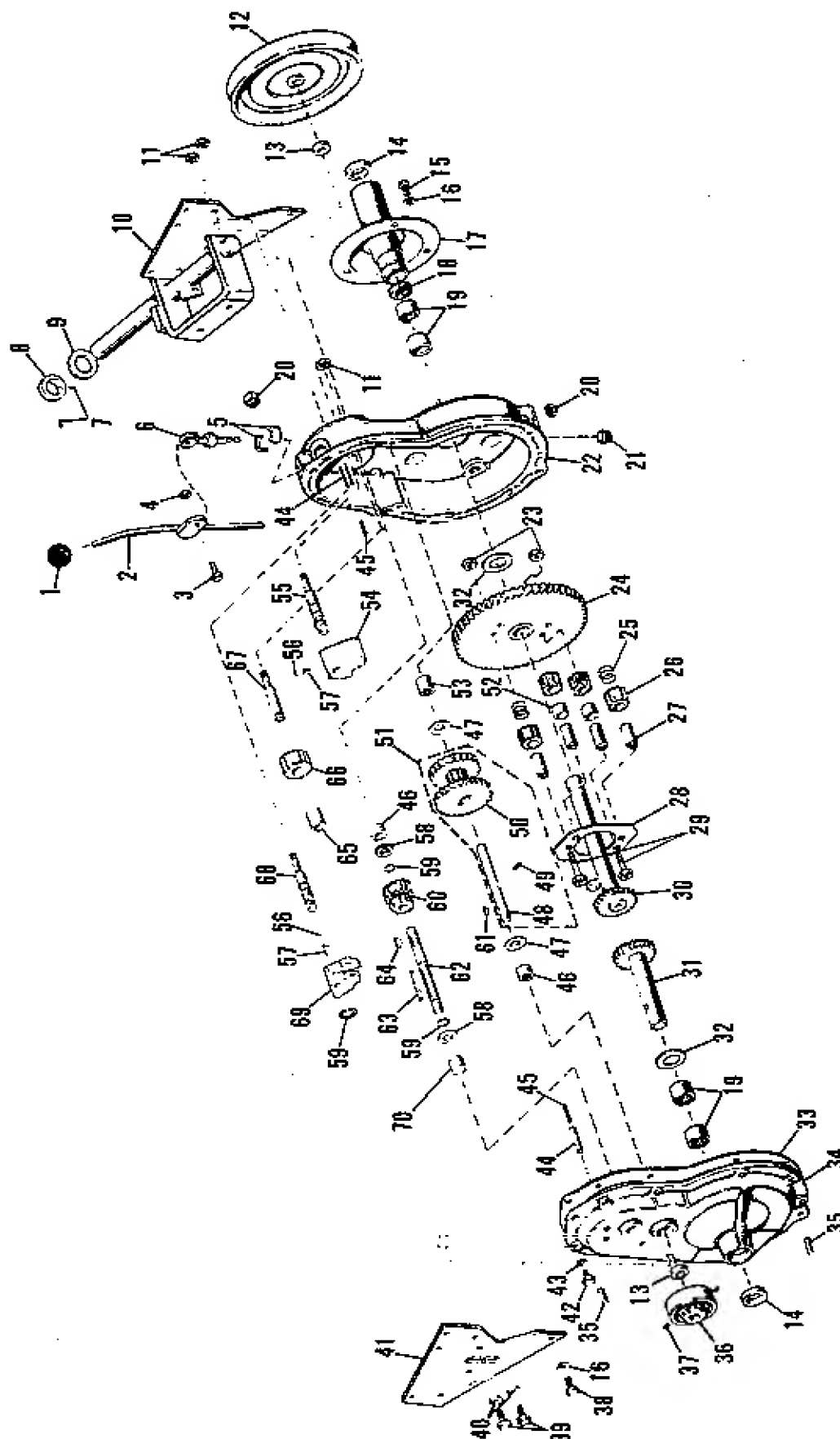


NOTE: Use standard hardware torque spec. chart unless otherwise noted.



Rel. No.	Parts No.	Qty.	Description
41	921221	2	CAPSCREW, Hex Hd., 5/16-18 x 1-1/2
42	917356	10	LOCKWASHER, 5/16
43	165067	1	DRUM, Brake
44	928691	2	SETSCREW, 5/16-18 x 5/16
45	921977	8	CAPSCREW, Hex Hd., 5/16-18 x 1-1/4
46	921985	1	CAPSCREW, Hex Hd., 3/8-16 x 3/4
47	918212	2	CAPSCREW, Hex Hd., 7/16-14 x 1
48	918199	2	LOCKWASHER, 7/16
49	916950	1	NUT, Hex, Full, 3/8-16
50	174642	1	PLATE, Side, L.H.
	165040	1	PLATE, Side, L.H. (990489 & 990577 Only)
51	156073	3	BEARING, Roller
52	156089	2	WASHER
53	165009	1	SHAFT & GEAR ASSY.
54	165010	1	SHAFT, Brake
55	156292	1	PIN, Dowel
56	165011	1	GEAR ASSY., Cluster
57	156085	4	WASHER
58	8061048	4	RING, Retaining
59	930669	1	KEY, Hi-Pro
60	165013	1	GEAR & SHAFT ASSY.
61	156072	3	BEARING, Roller
62	170453	1	KEY
	156086	1	KEY (990489 Only)
63	930670	1	KEY
64	170455	1	SHAFT, Pulley, P.T.O.
	103238	1	SHAFT, Pulley, P.T.O. (990489 Only)
65	156087	1	PINION ASSY., Hi-Lo
66	165006	1	O-RING
67	156082	1	BEARING, Roller
68	1650625	1	PINION ASSY.
69	165005	1	SHAFT, Reverse Pinion
70	1657656	2	SPRING (Not used on 990489)
71	171372	1	SHAFT, Hi-Lo
72	154262	2	BALL, Shift, Lock
73	171456	2	SPRING
	154323	2	SPRING (990489 & 990577 Only)
74	171364	1	FORK, Shift, Hi-Lo
	156080	1	FORK, Shift, Hi-Lo
75	930614	2	CAPSCREW, Hex Hd., 5/16-18 x 5/16
76	171365	1	SHAFT, Shift, Reverse-Lo
	165004	1	SHAFT, Shift, Reverse-Lo (990489 Only)
77	171363	1	FORK, Shift, Reverse

NOTE: Parts Rel. No. 1-40 found on the preceding page.



NOTE: Use standard hardware torque spec chart unless otherwise noted.

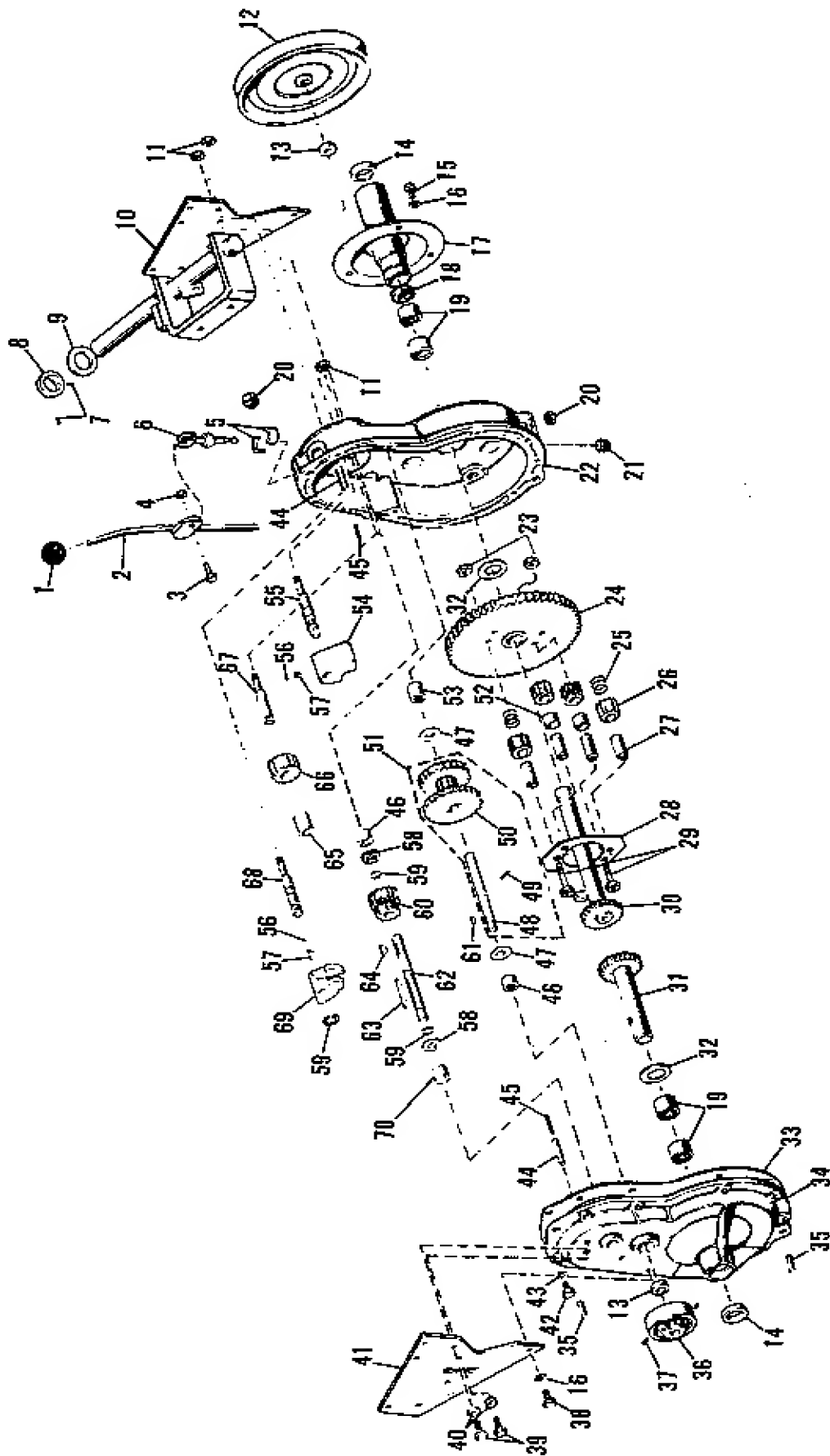
## Transmission Group

**Simplicity**

3/80

Ref. No.	Part No.	Qty.	Description
1	8021050	1	KNOB
2	156109	1	LEVER ASSY., Shift
3	923341	1	CAPSCREW, Hex Hd., 1/4-20 x 3/4
4	923358	1	LOCKNUT, Hex, 1/4-20
5	101042	2	BUSHING, Half
6	156031	1	ROD ASSY., Shift
7	928721	2	SETSCREW, 5/16-18 x 1/2
8	154065	1	COLLAR, Set
9	105050	1	WASHER
10	156107	1	PLATE ASSY., Side
11	918213	3	NUT, Hex, Full, 7/16-14
12	156119	1	PULLEY, Transmission
13	156084	2	SEAL, Oil
14	118118	2	SEAL, Oil
15	921966	3	CAPSCREW, Hex Hd., 3/8-16 x 7/8
16	916965	4	LOCKWASHER, 3/8
17	103170	1	HOUSING ASSY., Axle
18	156099	1	SEAL, Oil
19	105195	4	BEARING, Roller
20	930676	2	PLUG, Pipe
21	901653	1	PLUG, Pipe, 3/8
22	156017	1	CASE ASSY., Gear
23	930651	4	LOCKNUT, Hex, 3/8-16
24	1663715	1	GEAR ASSY., Drive
25	162085	2	SPRING
26	158579	4	PINION, Diff.
27	121083	4	SPINDLE, Diff.
28	156002	1	PLATE, Diff.
29	919363	4	CAPSCREW, Hex Hd., 3/8-16 x 2-1/2
30	156100	1	SHAFT ASSY., Axle, R.H.
31	156104	1	SHAFT ASSY., Axle, L.H.
32	105083	2	WASHER
33	156103	1	GASKET
34	156018	1	COVER ASSY., Gear Case
35	918113	2	PIN, Roll, 3/8 x 1

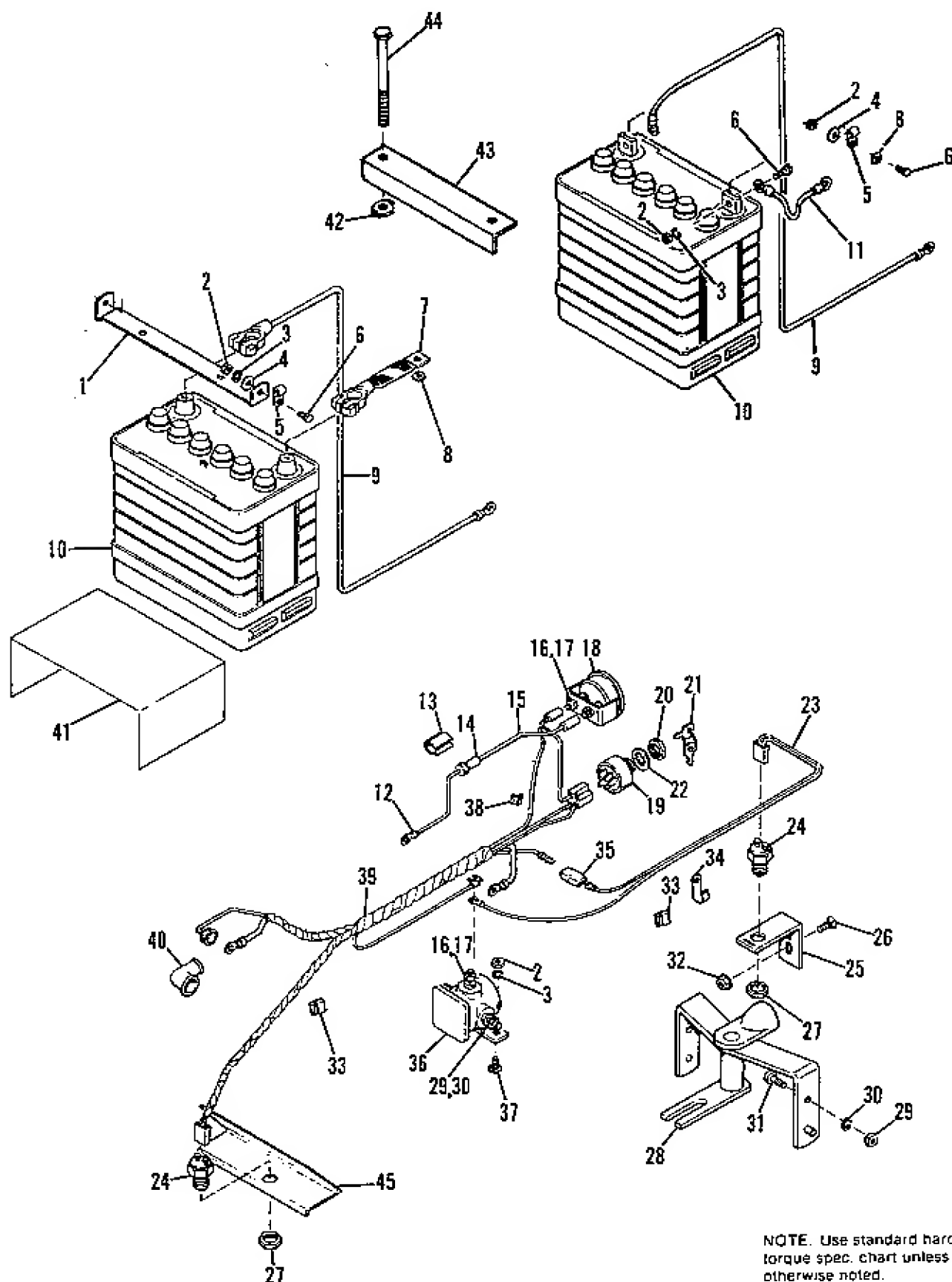
NOTE: Parts Ref. No. 36-70 continued on the following page.



NOTE: Use standard hardware torque spec chart unless otherwise noted

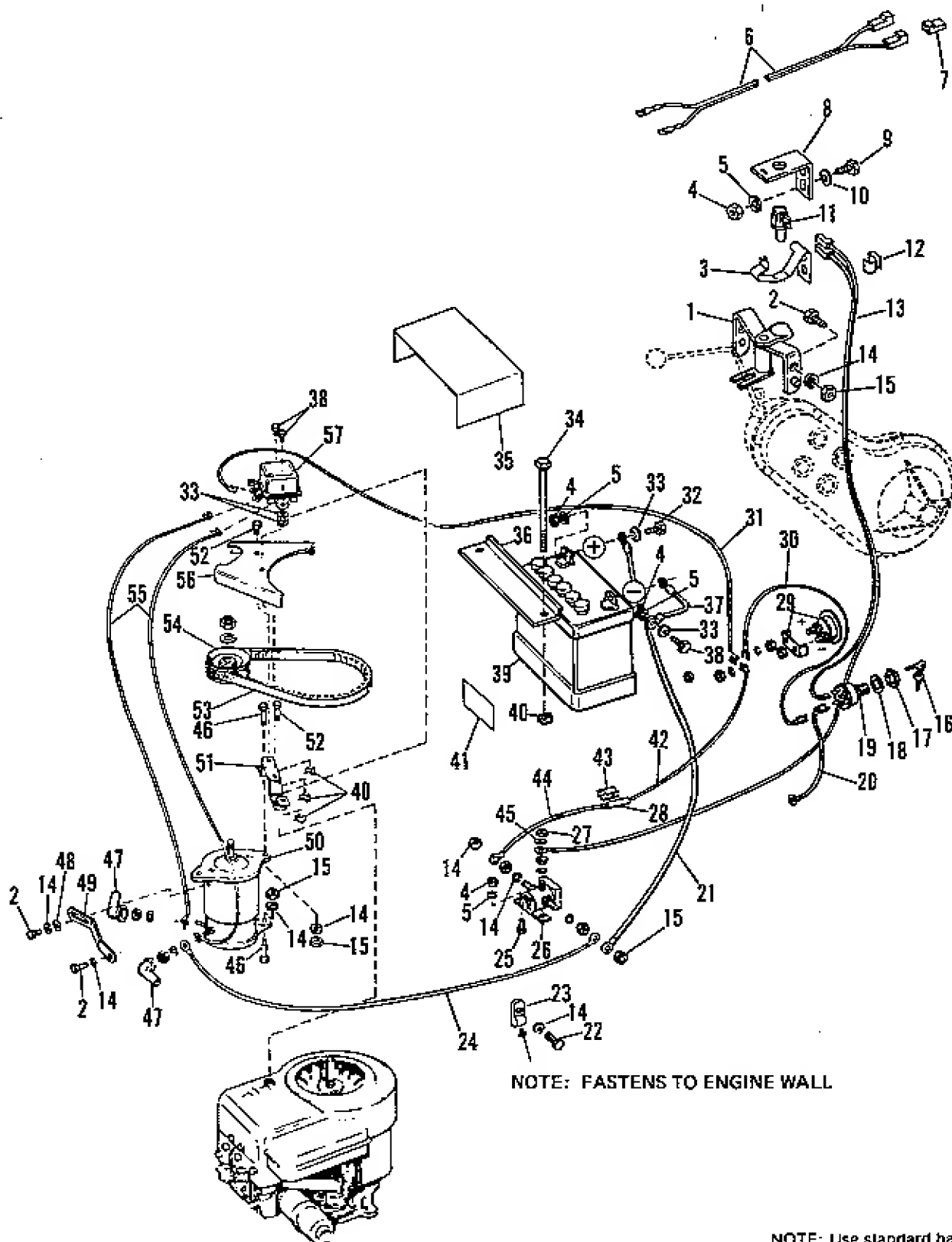
Ref. No.	Parts No.	Qty.	Description
36	165067	1	DRUM, Brake
37	928691	2	SETSCREW, 5/16-18 x 5/16
38	921965	1	CAPSCREW, Hex Hd., 3/8-16 x 3/4
39	919321	2	CAPSCREW, Hex Hd., 7/16-14 x 3/4
40	918199	2	LOCKWASHER, 7/16
41	156106	1	PLATE, Side, Transmission
42	921977	10	CAPSCREW, Hex Hd., 5/16-18 x 1-1/4
43	917356	10	LOCKWASHER, 5/16
44	156308	2	PIN ASSY., Roll
45	916001	2	PIN, Roll, 3/16 x 1
46	156072	2	BEARING, Roller
47	156089	2	WASHER
48	156088	1	SHAFT, Brake
49	156292	1	PIN, Dowel
50	156090	1	GEAR ASSY., Cluster
51	156290	1	GEAR ASSY., Cluster
52	121084	2	SPACER, Diff.
53	156073	1	BEARING, Roller
54	156080	1	FORK, I & II
55	171372	1	SHAFT, Hi-Lo
56	154262	2	BALL, Shift Lock
57	154323	2	SPRING
58	156085	2	WASHER
59	8061048	3	RING, Retaining
60	156087	1	PINION ASSY., Hi & Lo
61	930669	1	KEY, Hi-Pro
62	156083	1	SHAFT, Pulley
63	156086	1	KEY
64	930670	1	KEY, Hi-Pro
65	156082	1	BEARING, Roller
66	1650625	1	PINION, Reverse
67	156081	1	SHAFT, Reverse Pinion
68	156077	1	SHAFT, Reverse
69	171363	1	FORK, Shift, Reverse
70	156102	1	BEARING, Roller

NOTE: Parts Ref. No. 1-35 found on preceding page.



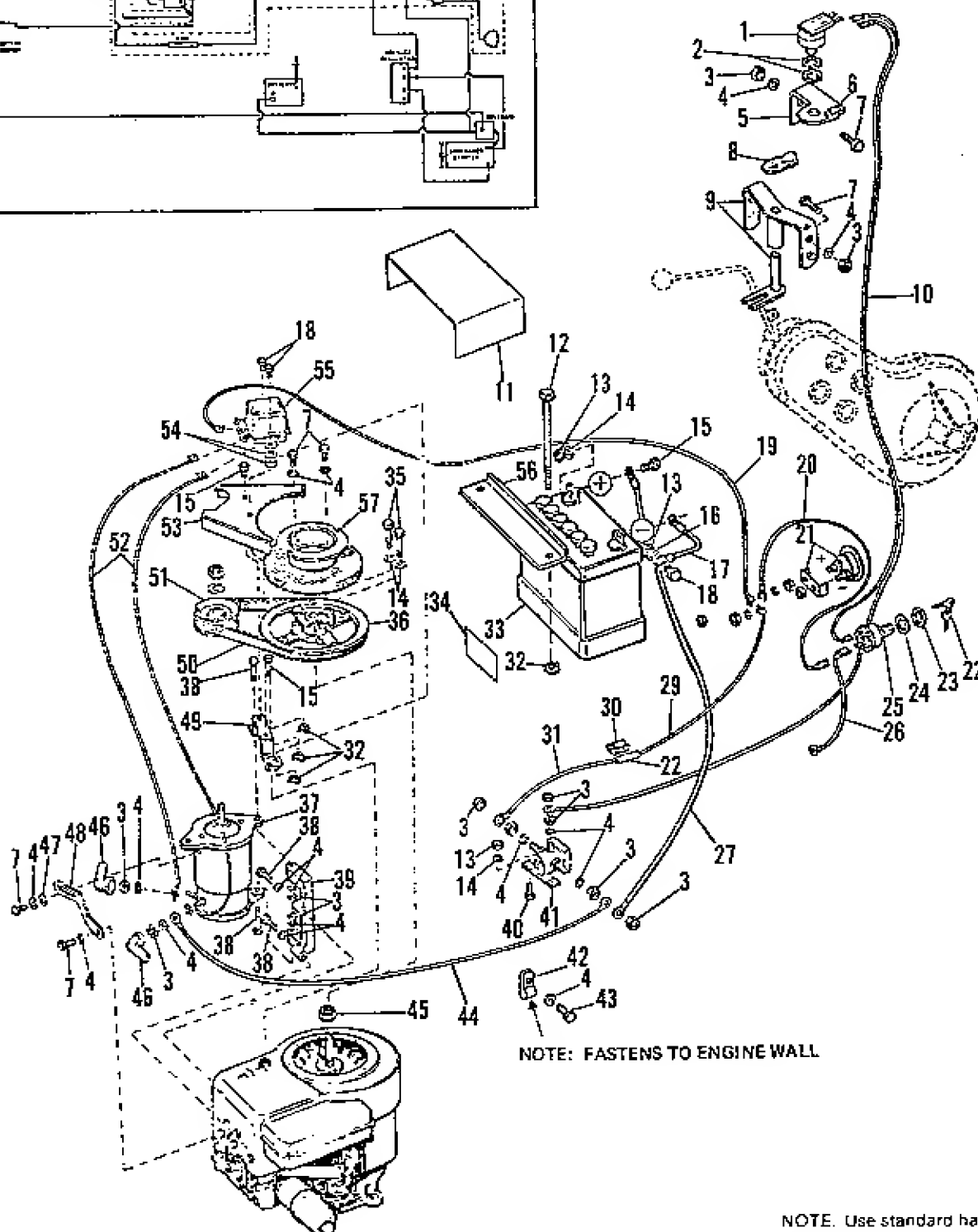
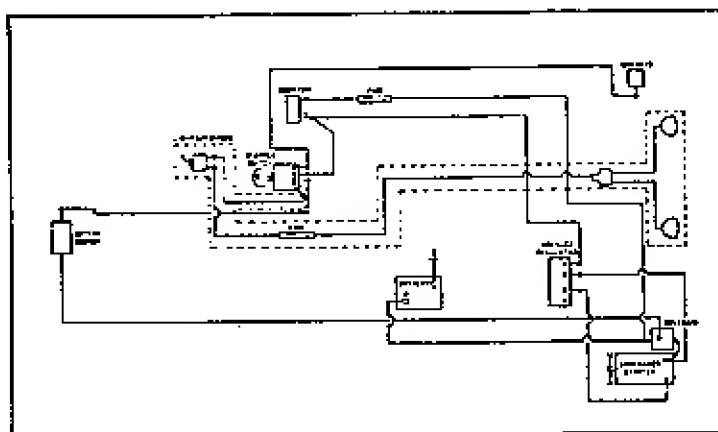
NOTE: Use standard hardware torque spec. chart unless otherwise noted.

Ref. No.	Part No.	Qty.	Description
1	1651122	1	HOLD DOWN, Battery (1690020 & 1690106 Only)
2	916622	5	NUT, Hex, Full, 1/4-20 (Qty. 4 on 1690020, 1690106)
3	916964	5	LOCKWASHER, 1/4 (Qty. 4 on 1690020, 1690106)
4	917377	2	WASHER, Plain, 1/4 (Qty. 1 on 1690019 Only)
5	158476	1	CLAMP
6	916019	3	CAPSCREW, Hex Hd., 1/4-20 x 3/4 (Qty. 2 on 1690020 & 1690106)
7	122130	1	CABLE, Battery to Ground (1690020 & 1690106)
8	909367	1	LOCKWASHER, Int., 1/4
9	1651103	1	CABLE, Battery to Solenoid (1690020 & 1690106)
	1603195	1	CABLE, Battery to Solenoid
10	1685058	1	BATTERY KIT (1690020 & 1690106 Only)
	1685059	1	BATTERY KIT
11	122213	1	CABLE (1690019 Only)
12	122207	1	WIRE, Solenoid to Negative
13	122183	1	CLIP, Fuse
14	172410	1	FUSE, 7-1/2 amp
15	1651826	1	WIRE, Negative Ammeter to Solenoid
16	922711	4	LOCKWASHER, #10
17	917415	4	NUT, Hex, Full, #10-32
18	1603189	1	AMMETER
19	178280	1	SWITCH, Ignition
20	122234	1	NUT, Special
21	122203	1	KEYS
22	918906	1	LOCKWASHER, Int., 5/8
23	122217	1	WIRE, Safety Switch
24	177522	2	SWITCH, Safety
25	178428	1	BRACKET
26	930517	2	BOLT, Carriage, 1/4-20 x 3/4
27	930647	2	NUT, Pl, 9/16-18
28	170172	1	PIVOT ASSY.
29	917372	3	NUT, Hex, Full, 5/16-18
30	917356	3	LOCKWASHER, 5/16
31	921332	2	CAPSCREW, Hex Hd., 5/16-18 x 3/4
32	930641	2	LOCKNUT, Flange, 1/4-20
33	165073	2	CLIP, Speed
34	1606820	1	J-CUP, Open
35	172100	1	CONNECTOR, Insulator
36	122216	1	SOLENOID
37	923333	2	BOLT, Carriage, 1/4-20 x 5/8
38	172434	2	CLIP, Cable
39	1651085	1	HARNESS ASSY.
40	122023	2	COVER, Terminal
41	122143	1	INSULATION, Battery
42	926022	2	NUT, Retainer, 1/4-20 (1690019 Only)
43	170123	1	HOLD DOWN, Battery (1690019 Only)
44	928634	2	CAPSCREW, Hex Hd., 1/4-20 x 7 (1690019 Only)
45	1651367	1	SHIELD, Heat (1690020 & 1690106 Only)



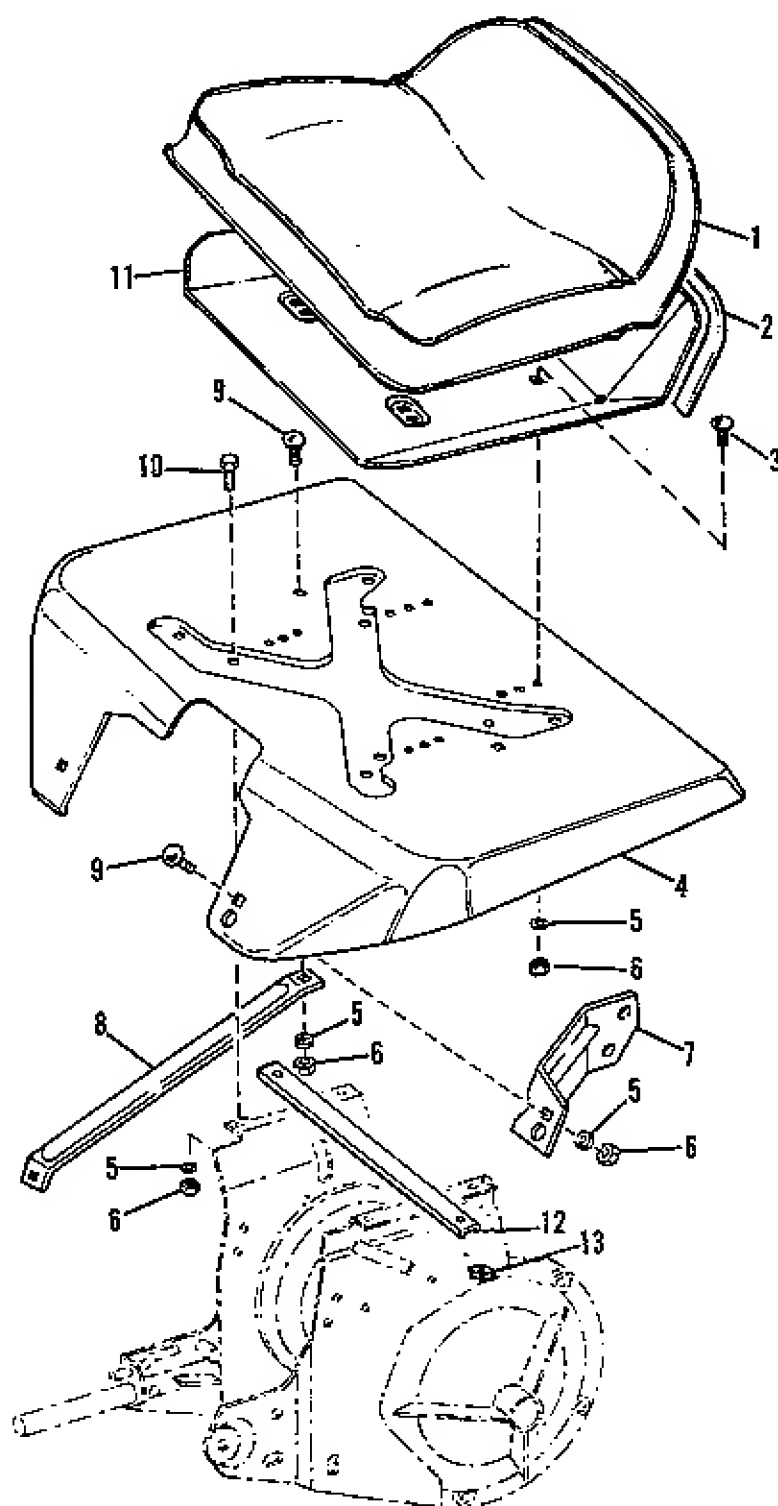


Ref. No.	Part No.	Qty.	Description
1	170172	1	PIVOT ASSY.
2	921332	4	CAPSCREW, Hex Hd., 5/16-18 x 3/4
3	174619	1	CLIP, Spring
4	916622	7	NUT, Hex, Full, 1/4-20 (Qty. 5 on 990904)
5	916964	7	LOCKWASHER, 1/4 (Qty. 5 on 990904)
6	178429	1	WIRE (990904 Only)
6	174688	1	WIRE
7	172100	1	CONNECTOR, Insulated
8	174700	1	BRACKET
	178428	1	BRACKET (990904 Only)
9	927340	2	CAPSCREW, Hex Hd., 1/4-20 x 3/4
10	916955	2	WASHER, Plain, 3/16
11	1609279	1	SWITCH
	177522	1	SWITCH (990904 Only)
12	165073	1	CLIP, Speed
13	174689	1	WIRE
	122217	1	WIRE (990904 Only)
14	917356	7	LOCKWASHER, 5/16 (Qty. 8 on 990904)
15	917372	6	NUT, Hex, Full, 5/16-18
16	122203	1	KEYS
17	122235	1	NUT, Hex, Special
18	928636	1	LOCKWASHER, 9/16
19	122201	1	SWITCH, Key
20	122206	1	WIRE, Switch to Engine Ground
21	170057	1	CABLE, Battery
22	919317	1	CAPSCREW, Hex Hd., 5/16-18 x 1/2
23	122186	1	CLAMP
24	122205	1	CABLE, Generator
25	921958	2	CAPSCREW, Hex Hd., 1/4-20 x 1/2
26	122216	1	SOLENOID
27	917415	1	NUT, Hex, Full, #10-32
28	122172	1	FUSE, 20 amp
29	122131	1	AMMETER
	1603189	1	AMMETER (990904 Only)
30	122210	1	WIRE, Positive
31	122209	1	WIRE, Battery
32	921965	1	CAPSCREW, Hex Hd., 3/8-16 x 3/4
33	917377	8	WASHER, Plain, 1/4
34	928634	2	CAPSCREW, Hex Hd., 1/4-20 x 7
35	122143	1	INSULATION, Battery
36	170123	1	CLAMP, Battery
37	122213	1	CABLE, Generator to Solenoid
38	916019	4	CAPSCREW, Hex Hd., 1/4-20 x 3/4
39	170059	1	BATTERY
40	926022	5	NUT, Retainer
41	170219	1	FILM, Battery
42	122208	1	WIRE, Negative Ammeter to Solenoid
43	122183	1	CLIP, Fuse
44	122207	1	WIRE, Solenoid to Negative
45	922711	1	LOCKWASHER, Ext., #10
46	922127	2	CAPSCREW, Hex Hd., 5/16-18 x 1-3/4
47	122023	2	COVER, Terminal
48	917642	1	WASHER, Plain, 5/16
49	122134	1	STRAP, Adjustment
50	122237	1	MOTOR, Generator
51	122133	1	BRACKET, Regulator
52	921959	2	CAPSCREW, Hex Hd., 1/4-20 x 5/8
53	122120	1	V-BELT
54	122132	1	PULLEY, Generator
55	122119	2	WIRE
56	122137	1	GUARD, Pulley
57	172030	1	REGULATOR, Voltage



NOTE. Use standard hardware torque spec. chart unless otherwise noted.

Ref. No.	Part No.	Qty.	Description
1	122233	1	SWITCH, Safety
2	122234	2	NUT, Hex, Special
3	917372	14	NUT, Hex, Full, 5/16-18
4	917356	17	LOCKWASHER, 5/16
5	165099	1	PLATE, Support
6	165073	1	CLIP, Speed
7	921332	7	CAPSCREW, Hex Hd., 5/16-18 x 3/4
8	170259	1	PLATE, Pivot
9	170172	1	PIVOT ASSY.
10	122217	1	WIRE, Safety Switch
11	122143	1	INSULATION, Battery
12	928634	2	CAPSCREW, Hex Hd., 1/4-20 x 7
13	916622	3	NUT, Hex, Full, 1/4-20
14	916964	5	LOCKWASHER, 1/4
15	921959	3	CAPSCREW, Hex Hd., 1/4-20 x 5/8
16	922711	1	LOCKWASHER, Ext., #10
17	122213	1	CABLE, Ground
18	916019	3	CAPSCREW, Hex Hd., 1/4-20 x 3/4
19	122209	1	WIRE
20	122210	1	WIRE, Positive Ammeter to Switch
21	122131	1	AMMETER
22	122203	1	KEYS
23	122235	1	NUT, Special
24	928636	1	LOCKWASHER, Int., 9/16
25	122201	1	SWITCH, Key
26	122206	1	WIRE, Switch to Engine Ground
27	170057	1	CABLE, Battery
28	122172	1	FUSE, 20 amp
29	122208	1	WIRE, Negative Ammeter to Solenoid
30	122183	1	CLIP, Fuse
31	122207	1	WIRE, Solenoid to Negative Ammeter
32	926022	5	NUT, Retainer
33	170059	1	BATTERY
34	170219	1	DECAL, Battery
35	921159	2	CAPSCREW, Hex Hd., 1/4-20 x 2-1/4
36	122122	1	PULLEY, Electric Starter
37	122237	1	MOTOR, Generator
38	922127	5	CAPSCREW, Hex Hd., 5/16-18 x 1-3/4
39	122189	1	BRACKET, Starter Mounting
40	921958	2	CAPSCREW, Hex Hd., 1/4-20 x 1/2
41	122216	1	SOLENOID
42	122186	1	CLAMP
43	919317	1	CAPSCREW, Hex Hd., 5/16-18 x 1/2
44	122205	1	CABLE, Generator to Solenoid
45	122125	1	NUT, Flywheel
46	122023	2	COVER, Terminal
47	917642	1	WASHER, Plain, 5/16
48	122134	1	STRAP, Adjustment
49	122133	1	BRACKET, Regulator
50	122120	1	V-BELT, Drive
51	122132	1	PULLEY, Generator
52	122119	2	WIRE
53	122137	1	GUARD, Pulley
54	911377	2	WASHER, Plain, 1/4
55	170030	1	REGULATOR, Voltage
56	170123	1	CLAMP, Battery
57	170188	1	PULLEY & SCREIN



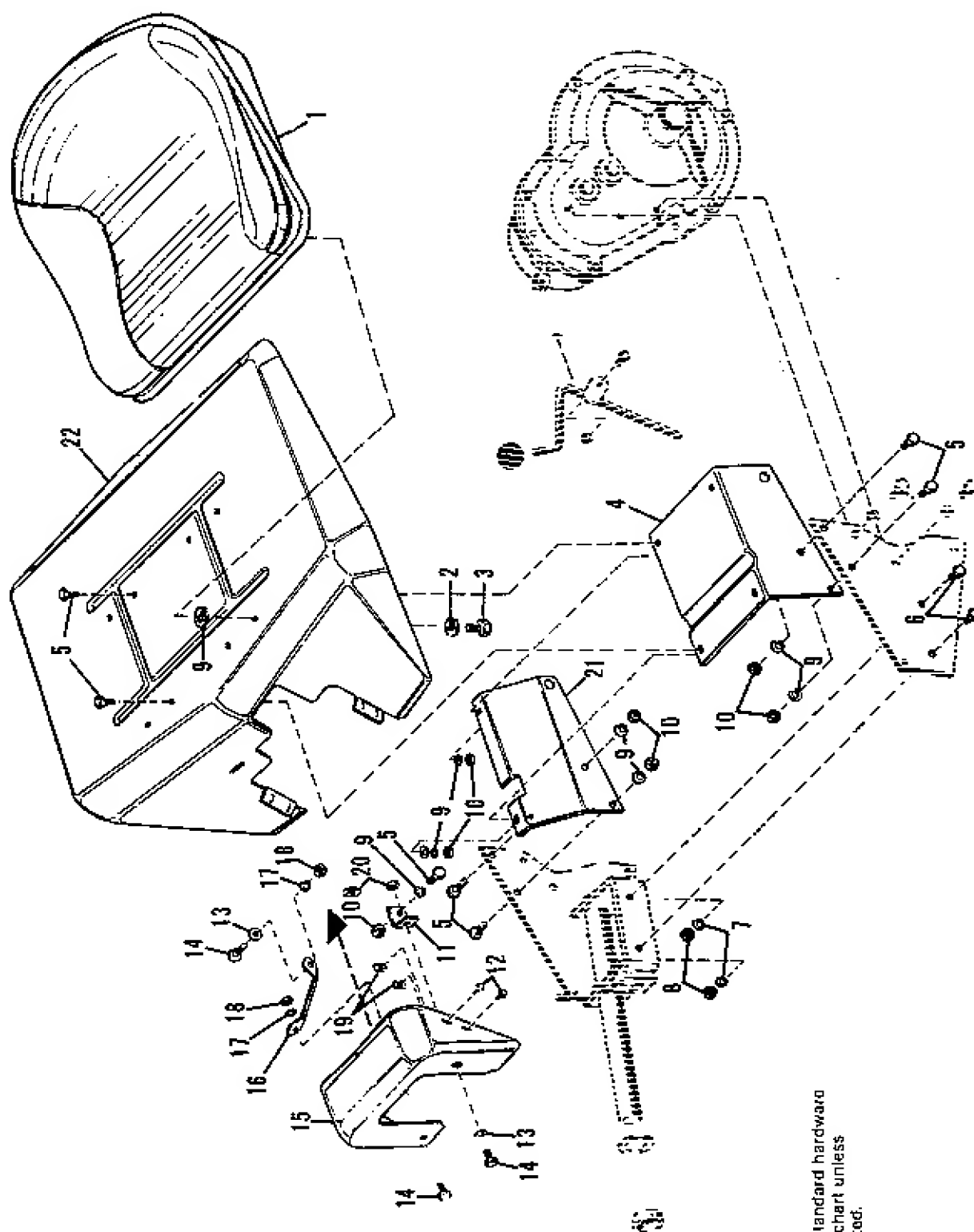
NOTE: Use standard hardware torque spec. chart unless otherwise noted.

## Seat &amp; Seat Support Group

**Simplicity**

3/80

Ref. No.	Part No.	Qty.	Description
1	162094	1	PAD, Seat
	176495	1	SEAT ASSY. (990904, 1690019, 1690020, 1690106)
	1651879	1	SEAT ASSY. (990489)
2	159177	1	TAPE, Seat Pan
3	920562	4	BOLT, Carriage, 5/16-18 x 3/4
4	174691	1	SUPPORT, Seat
5	917356	12	LOCKWASHER, 5/16
6	917372	12	NUT, Hex, Full, 5/16-18
7	174480	1	BRACKET (990780, 990904 Only)
	1651308	1	BRACKET
			BRACE (Qty. 2 on 990489, 990577 Only)
8	165070	1	BRACE (Qty. 2 on 990577)
9	923700	4	BOLT, Carriage, 5/16-18 x 1/2
10	921332	4	CAPSCREW, Hex Hd., 5/16-18 x 3/4 (990489 & 990904 Only)
11	165066	1	PANEL, Seat
12	1651317	2	SPACER (1690019, 1690020 Only)
13	910292	4	NUT, Square, 5/16-18 (1690019, 1690020 Only)



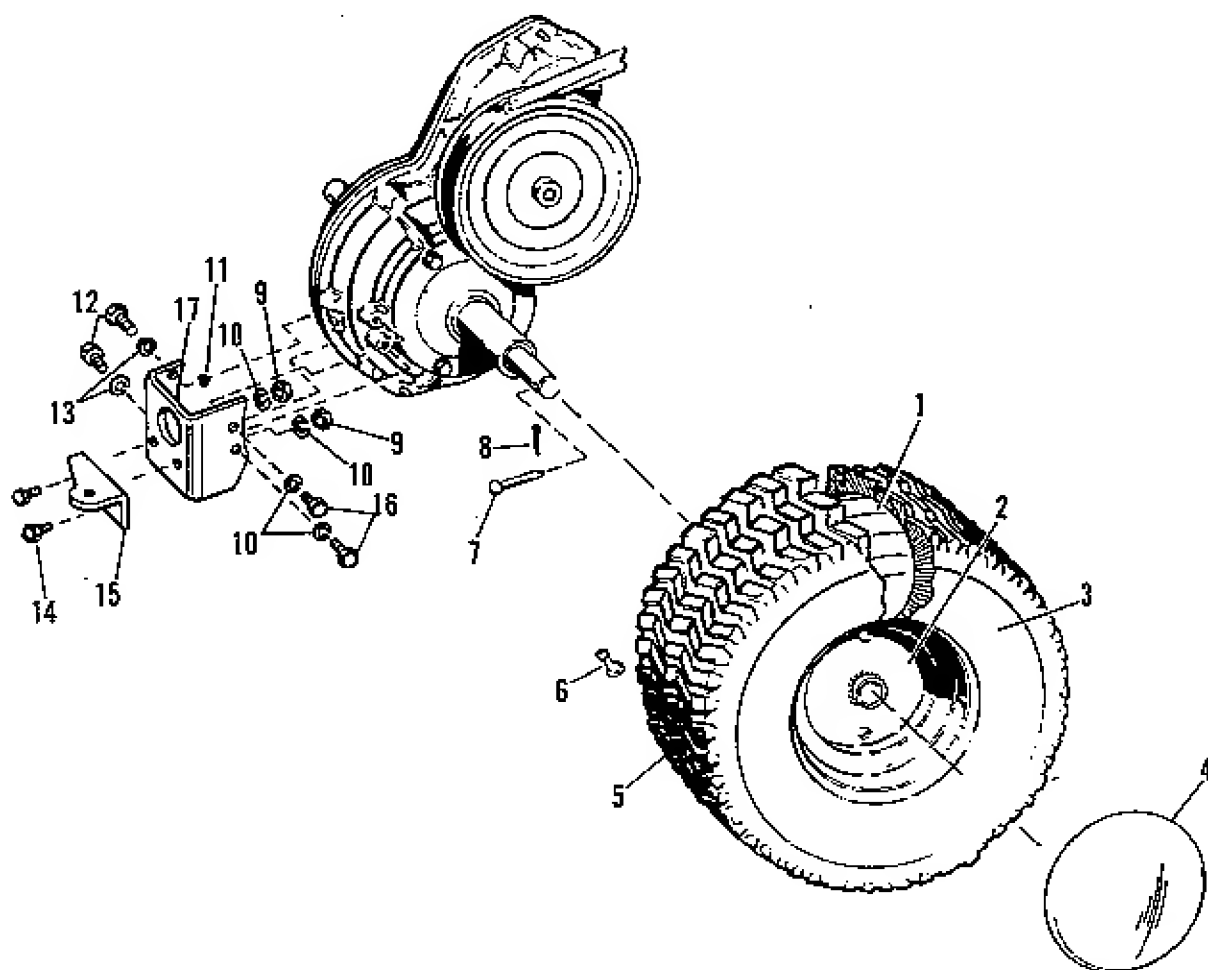
NOTE: Use standard hardware  
torque spec. chart unless  
otherwise noted.

## Seat Group

**Simplicity**

3/80

Ref. No.	Part No.	Qty.	Description
1	1665607	1	SEAT ASSY.
2	917642	4	WASHER, Plain, 5/16
3	925205	4	CAPSCREW, Hex Hd., 5/16-18 x 7/8
4	156220	1	BRACKET, L.H.
5	921332	9	CAPSCREW, Hex Hd., 5/16-18 x 3/4
6	918212	2	CAPSCREW, Hex Hd., 7/16-14 x 1
7	918199	2	LOCKWASHER, 7/16
8	918213	2	NUT, Hex, Full, 7/16-14
9	917356	11	LOCKWASHER, 5/16
10	917372	11	NUT, Hex, Full, 5/16-18
11	156171	1	CLIP, Cover
12	922122	2	SCREW, Hex, Self Tapping, #10 x 1/2
13	917377	3	WASHER, Plain, 1/4
14	921959	3	CAPSCREW, Hex Hd., 1/4-20 x 5/8
15	156059	1	COVER, Seat Support
16	156170	1	BRACE, Cover
17	916964	2	LOCKWASHER, 1/4
18	916622	2	NUT, Hex, Full, 1/4-20
29	928700	2	SPEEDNUT
20	156172	1	NUT, Retainer
21	156221	1	BRACKET
22	156060	1	SUPPORT, Seat



NOTE: Use standard hardware  
torque spec. chart unless  
otherwise noted.

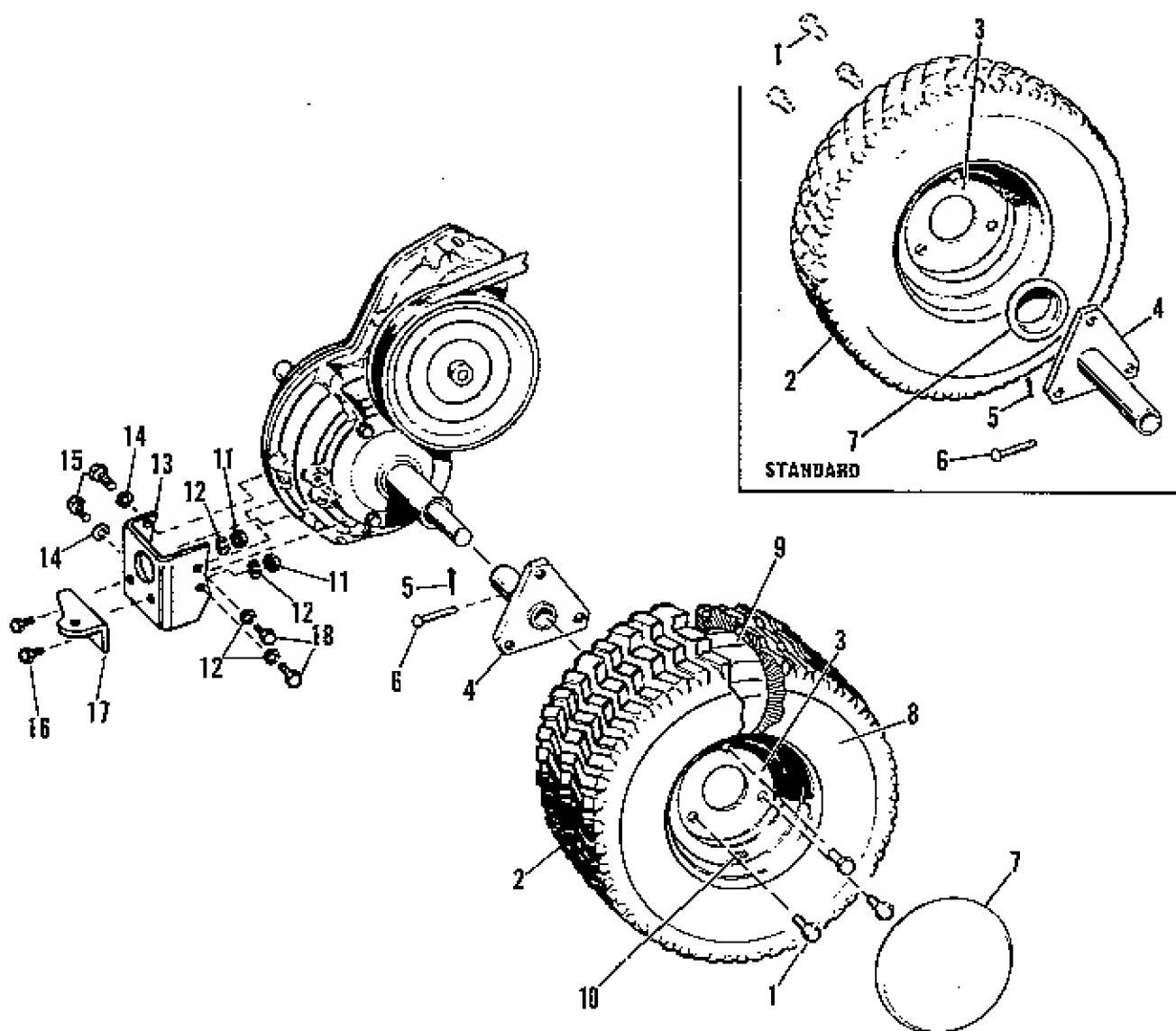


## Rear Wheels &amp; Hitch Group

**Simplicity**

3/80

Ref. No.	Part No.	Qty.	Description
1	1651866	2	TUBE (1690020 & 1690106 Only)
	156380	2	TUBE
2	1651856	2	WHEEL ASSY. (1690020 & 1690106 Only)
	170033	2	WHEEL ASSY.
3	173456	2	TIRE (1690020 & 1690106 Only)
	156312	2	TIRE
4	156211	2	HUB CAP, Rear
5	1651558	2	WHEEL & TIRE ASSY. (1690020 & 1690106 Only)
	170026	2	WHEEL & TIRE ASSY.
6	156305	2	VALVE STEM & CAP
7	118053	2	PIN
8	918451	2	PIN, Cotter, 1/8 x 3/4
9	916950	2	NUT, Hex, Full, 3/8-16
10	916965	4	LOCKWASHER, 3/8
11	917642	2	WASHER, Plain, 5/16
12	921221	2	CAPSCREW, Hex Hd., 5/16-18 x 1-1/4
13	917356	2	LOCKWASHER, 5/16
14	925204	2	CAPSCREW, Hex Hd., 3/8-16 x 1
15	156192	1	CLIP, Draw Bar Hitch
16	921965	2	CAPSCREW, Hex Hd., 3/8-16 x 3/4
17	156191	1	BRACKET, Draw Bar
18	121342	2	BUTTON, Plug (990577, 990780 & 990904 Only)



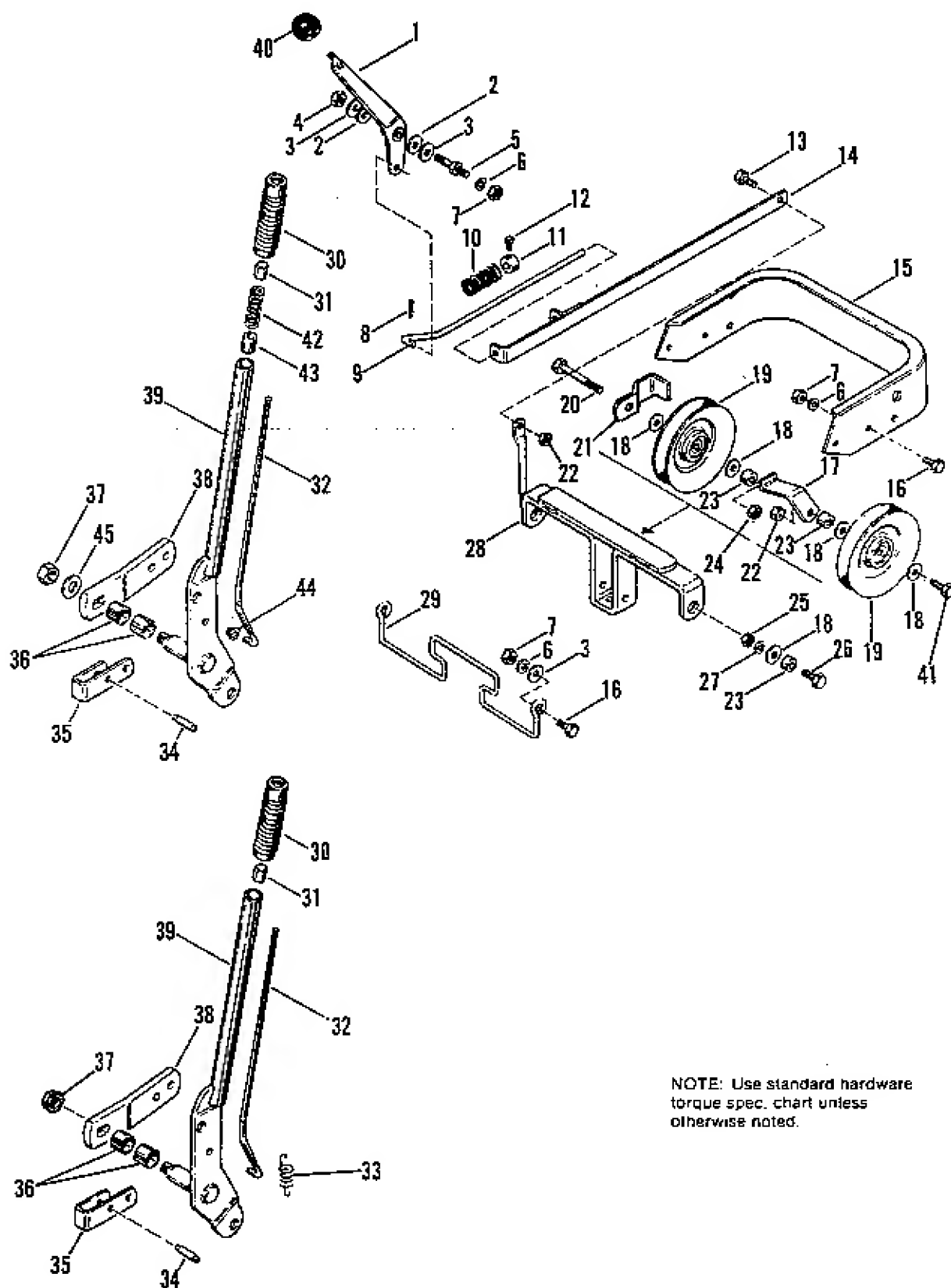
NOTE: Use standard hardware torque spec. chart unless otherwise noted.

## Rear Wheels &amp; Hitch Group

**Simplicity**

3/80

Ref. No.	Part No.	Qty.	Description
1	8261100	6	BOLT, Hub
2	156185	2	WHEEL & TIRE ASSY., Std. (990287 & 990373 Only)
	170026	2	WHEEL & TIRE ASSY., Deluxe
3	121323	2	WHEEL (990287 & 990373 Only)
	170033	2	WHEEL
4	156188	2	HUB ASSY., Wheel, Std. (990287 & 990373 Only)
	156218	2	HUB ASSY., Wheel, Deluxe
5	918451	2	PIN, Cotter, 1/8 x 3/4
6	118053	2	PIN
7	121137	2	HUB, Cap, Rear, Std. (990287 & 990373 Only)
	156211	2	HUB CAP, Rear, Deluxe
8	156312	2	TIRE, Deluxe (990288, 990303, 990374, 990375, 990424, 990425 & 990489 Only)
9	156380	2	TUBE (For Service Only)
10	156305	2	VALVE STEM & CAP
11	916950	2	NUT, Hex, Full, 3/8-16
12	916965	4	LOCKWASHER, 3/8
13	156191	1	BRACKET, Draw Bar
14	917356	2	LOCKWASHER, 5/16
15	921977	2	CAPSCREW, Hex Hd., 5/16-18 x 1-1/4
16	921210	2	CAPSCREW, Hex Hd., 3/8-16 x 1
17	156192	1	CLIP, Draw Bar Hitch
18	921965	2	CAPSCREW, Hex Hd., 3/8-16 x 3/4



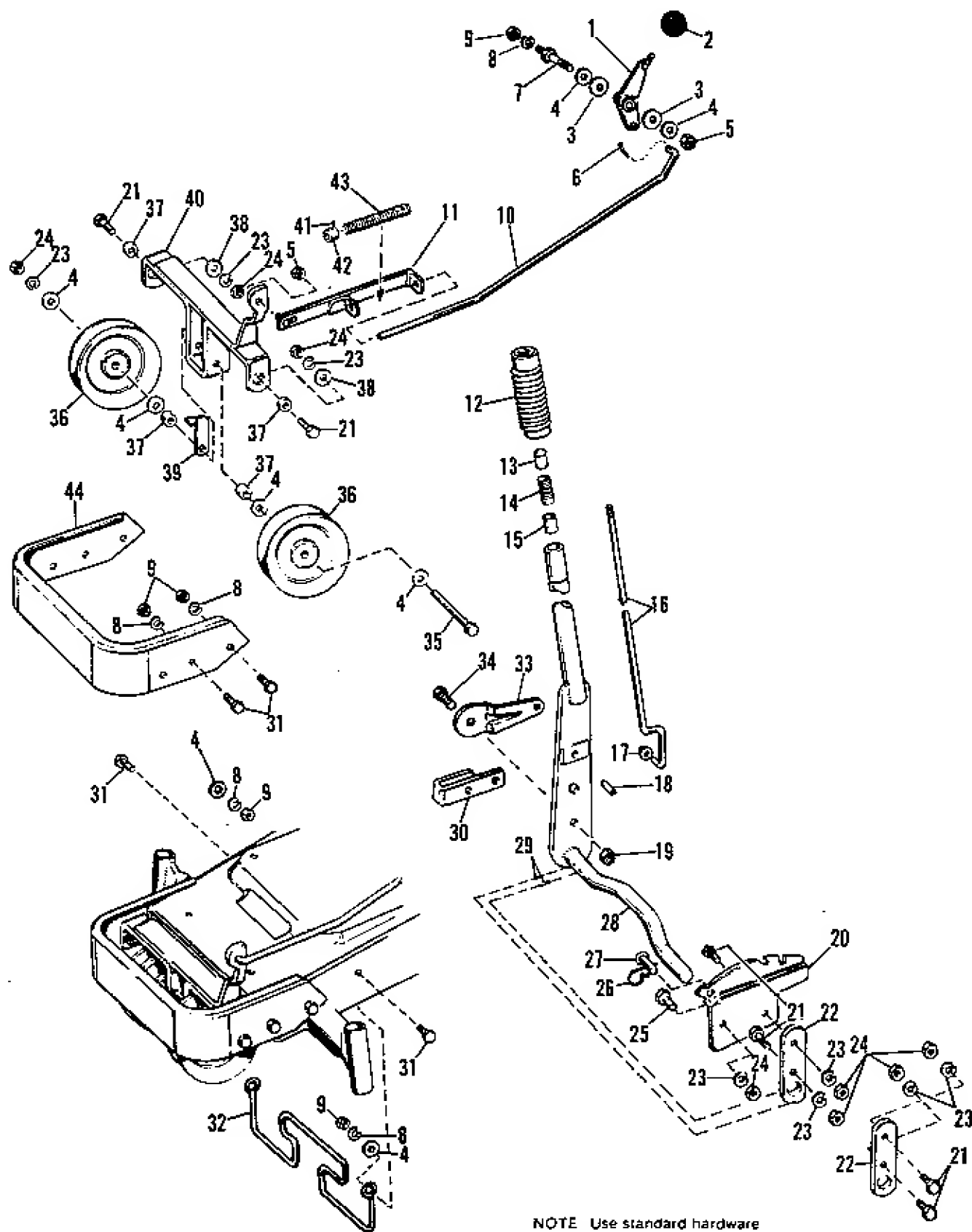
NOTE: Use standard hardware torque spec. chart unless otherwise noted.

## Power Take Off Group

**Simplicity**

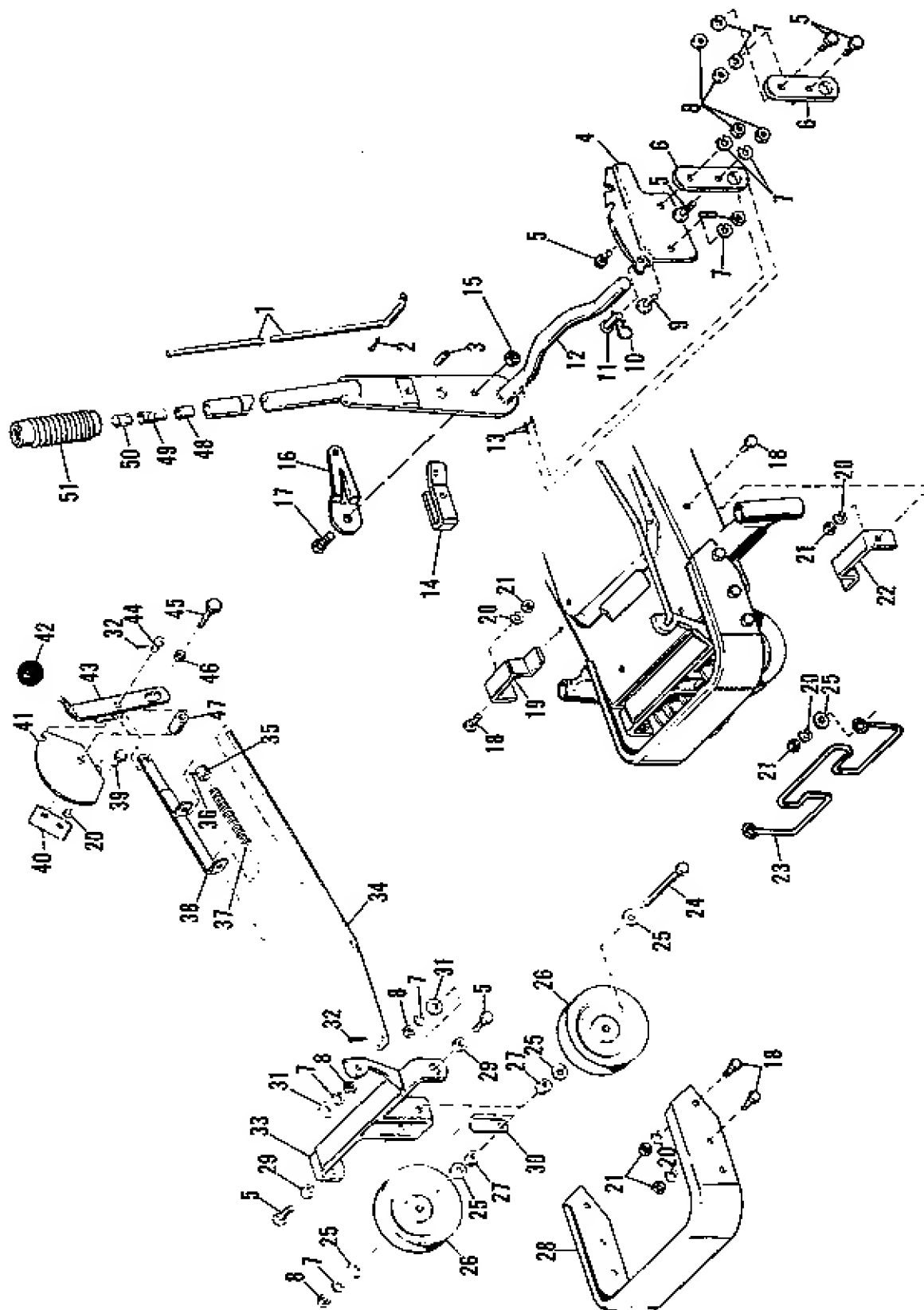
3/80

Ref. No.	Part No.	Qty.	Description
1	170103	1	LEVER ASSY.
2	159134	2	WASHER, Special
3	917642	4	WASHER, Plain, 5/16
4	923362	1	LOCKNUT, Hex, 5/16-18
5	170108	1	STUD
6	917356	7	LOCKWASHER, 5/16
7	917372	7	NUT, Hex, Full, 5/16-18
8	922000	1	PIN, Cotter, 3/32 x 5/8
9	176354	1	ROD, Clutch, P.T.O.
10	163103	1	SPRING
11	8191022	1	COLLAR, Set
12	928804	1	SETSCREW, 1/4-20 x 3/8
13	921965	1	CAPSCREW, Hex Hd., 3/8-16 x 3/4
14	106399	1	GUIDE ASSY., Idler
15	1650755	1	BUMPER, Front (1690019, 1690020 & 1690106)
	156137	1	BUMPER, Front
16	921332	6	CAPSCREW, Hex Hd., 5/16-18 x 3/4
17	1651329	1	STOP (1690019, 1690020 & 1690106 Only)
	178430	1	STOP
18	917378	6	WASHER, Plain, 3/8
19	101096	2	PULLEY, Idler
20	922606	1	CAPSCREW, Hex Hd., 3/8-24 x 1-3/4
21	162115	1	STOP, Belt (1690019, 1690020 & 1690106 Only)
22	930651	2	LOCKNUT, Hex, 3/8-16
23	154177	4	SPACER
24	930628	1	LOCKNUT, Hex, 3/8-24
25	916950	3	NUT, Hex, Full, 3/8-16 (Qty. 2 on 1690019, 1690020 & 1690106 Only)
26	921210	2	CAPSCREW, Hex Hd., 3/8-16 x 1
27	916965	3	LOCKWASHER, 3/8 (Qty. 2 on 1690019, 1690020 & 1690106 Only)
28	177569	1	CLEVIS ASSY., Pulley
29	165043	1	STOP, Belt, P.T.O.
30	1651702	1	GRIP, Lift Lever (1690019, 1690020 & 1690106 Only)
	156209	1	GRIP, Lift Lever
31	1650157	1	BUTTON, Thumb (1690019, 1690020 & 1690106)
	154227	1	BUTTON, Thumb
32	1650147	1	ROD, Latch (1690019, 1690020 & 1690106 Only)
	176452	1	LEVER, Lift
33	1650155	1	SPRING (1690019, 1690020 & 1690106 Only)
34	918113	1	PIN, Roll, 3/8 x 1
35	154224	1	LATCH, Lift Lever
36	154289	2	BUSHING
37	930644	1	LOCKNUT, Flange, 1/2-13
38	176464	1	LINK, Lift Lever
39	1650151	1	LEVER ASSY., Lift (1690019, 1690020 & 1690106)
	176204	1	LEVER ASSY., Lift
40	8021050	1	BALL, Knob
41	927322	1	CAPSCREW, Hex Hd., 3/8-24 x 2 (1690019, 1690020 & 1690106 Only)
42	152006	1	SPRING (990904 Only)
43	154226	1	SPACER (990904 Only)
44	170015	1	PUSHNUT (990904 Only)
45	918430	1	WASHER, Plain (990904 Only)



NOTE Use standard hardware  
torque spec. chart unless  
otherwise noted

Ref. No.	Part No.	Qty.	Description
1	170103	1	LEVER ASSY.
2	8021050	1	KNOB
3	159134	2	WASHER, Special
4	917642	8	WASHER, Plain, 5/16
5	930651	2	LOCKNUT, Hex, 5/16-18
6	922000	1	PIN, Cotter, 3/32 x 5/8
7	170108	1	STUD
8	917356	7	LOCKWASHER, 5/16
9	917372	7	NUT, Hex, Full, 5/16-18
10	170092	1	ROD, Clutch
11	162034	1	GUIDE ASSY., Rod
12	156209	1	GRIP, Handle
13	154227	1	BUTTON, Thumb
14	152006	1	SPRING
15	154226	1	SPACER
16	170094	1	ROD, Lift Lever
17	170015	1	PUSHNUT
18	918113	1	PIN, Roll, 3/8 x 1
19	930651	1	LOCKNUT, Hex, 3/8-16
20	156154	1	QUADRANT, Lift Lever
21	921210	6	CAPSCREW, Hex Hd., 3/8-16 x 1
22	156037	2	BAR, Bearing
23	916965	8	LOCKWASHER, 3/8
24	916950	8	NUT, Hex, Full, 3/8-16
25	921966	1	CAPSCREW, Hex Hd., 3/8-16 x 3/4
26	8161045	1	CLIP, Spring
27	153058	1	PIN
28	156155	1	LEVER ASSY., Lift
29	916001	2	PIN, Roll, 3/16 x 1
30	154224	1	LATCH, Lift Lever
31	921332	6	CAPSCREW, Hex Hd., 5/16-18 x 3/4
32	165043	1	STOP, Belt, P.T.O.
33	108385	1	LEVER, Lift
34	921966	1	CAPSCREW, Hex Hd., 3/8-16 x 7/8
35	920260	1	CAPSCREW, Hex Hd., 3/8-16 x 4-1/4
36	101096	2	PULLEY, Idler
37	154177	4	SPACER
38	917378	2	WASHER, Plain, 3/8
39	174678	1	STOP ASSY. (990780 Only)
	156141	1	STOP
40	165046	1	CLEVIS ASSY., Pulley
41	928804	1	SETSCREW, 1/4-20 x 3/8
42	8191022	1	COLLAR, Set
43	163103	1	SPRING
44	156137	1	BUMPER, Front



NOTE: Use standard hardware  
torque spec chart unless  
otherwise noted.

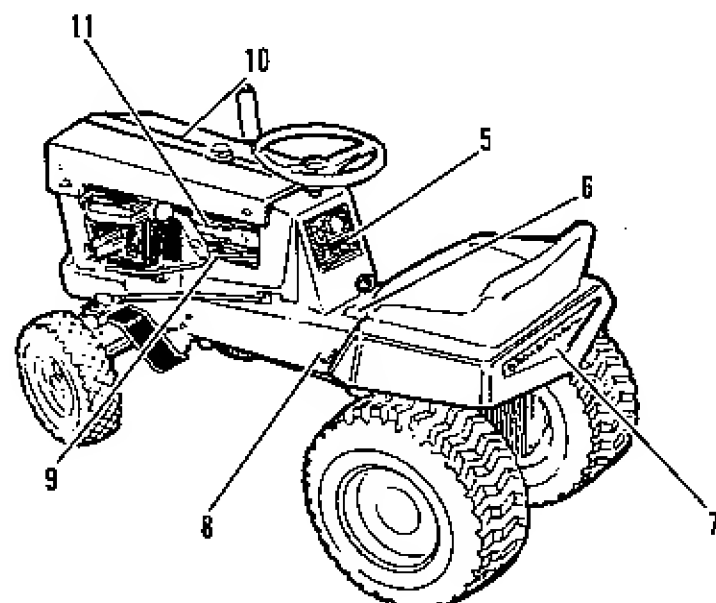
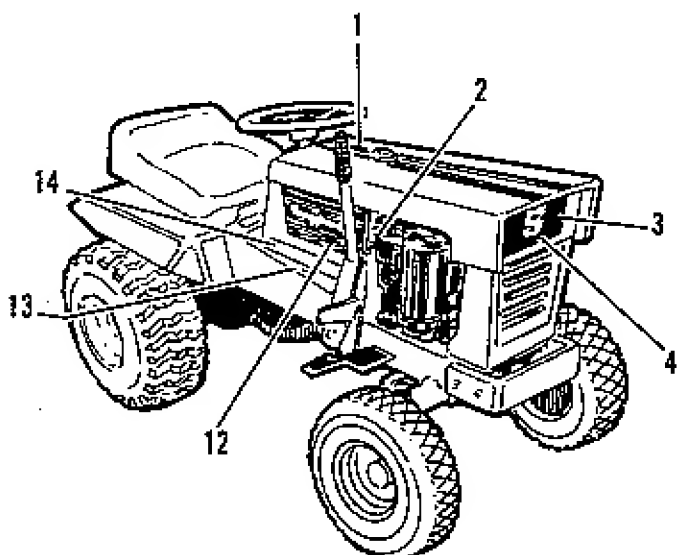
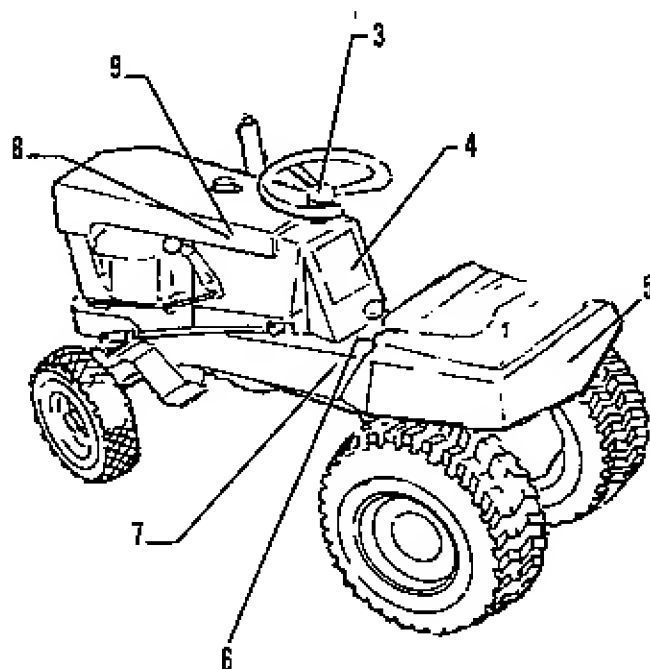
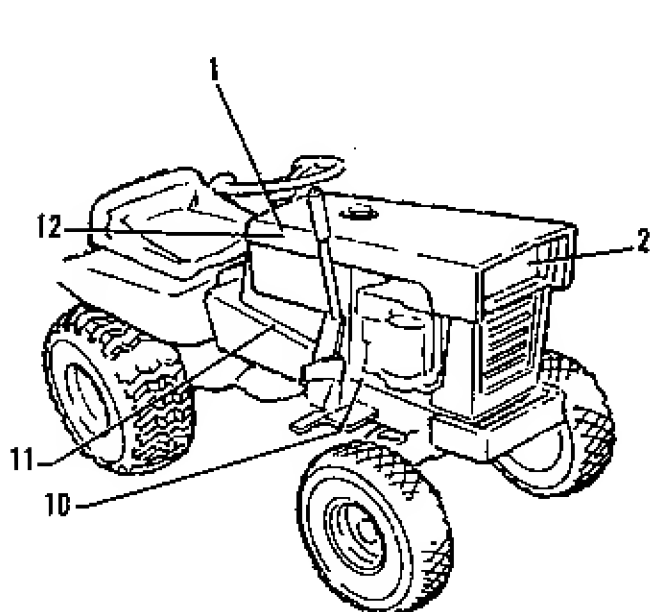


## Power Take Off Group

**Simplicity**

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Ref. No.	Part No.	Qty.	Description
1	156158	1	ROD, Lift Lever
	165077	1	ROD, Lift Lever (990489 Only)
2	918447	1	PIN, Cotter, 3/32 x 3/4
3	918113	1	PIN, Roll, 3/8 x 1
4	156154	1	QUADRANT
5	921210	6	CAPSCREW, Hex Hd., 3/8-16 x 1
6	156037	2	BAR, Bearing
7	916966	8	LOCKWASHER, 3/8
8	916950	8	NUT, Hex, Full, 3/8-16
9	921965	1	CAPSCREW, Hex Hd., 3/8-16 x 3/4
10	8161045	1	CLIP, Spring
11	153058	1	PIN
12	156155	1	LEVER ASSY., Lift
13	916001	2	PIN, Roll, 3/16 x 1
14	156222	1	LATCH, Lift Lever
15	930651	1	LOCKNUT, Hex, 3/8-16 (990489 Only)
16	108385	1	LEVER, Lift (990489 Only)
17	921966	1	CAPSCREW, Hex Hd., 3/8-16 x 7/8 (990489 Only)
18	921332	6	CAPSCREW, Hex Hd., 5/16-18 x 3/4
19	156152	1	STOP, Belt, R.H. (Not used on 990489)
20	917356	6	LOCKWASHER, 5/16
21	917372	6	NUT, Hex, Full, 5/16-18
22	156153	1	STOP, Belt, L.H. (Not used on 990489)
23	165043	1	STOP, Belt, P.T.O. (990489 Only)
24	920260	1	CAPSCREW, Hex Hd., 3/8-16 x 4-1/4
25	917642	6	WASHER, Plain, 5/16
26	101096	2	PULLEY, Idler
27	154177	2	SPACER
28	156137	1	BUMPER, Front
29	153073	2	SPACER
	154177	2	SPACER (990489 Only)
30	156141	1	STOP, Pulley, P.T.O.
31	917378	2	WASHER, Plain, 3/8
32	922000	2	PIN, Cotter, 3/32 x 5/8
33	156138	1	CLEVIS ASSY., Pulley
	165046	1	CLEVIS ASSY., Pulley (990489 Only)
34	156142	1	ROD, Clutch
35	8191022	1	COLLAR, Set
36	928804	1	SETSCREW, 1/4-20 x 3/8
37	8191045	1	SPRING
	163103	1	SPRING (990489 Only)
38	8081503	1	GUIDE ASSY., Rod
	165069	1	GUIDE ASSY., Rod (990489 Only)
39	925205	1	CAPSCREW, Hex Hd., 5/16-18 x 5/8
40	156371	1	NUT, Double
41	156148	1	QUADRANT, Clutch Lever
42	8021050	1	KNOB
43	156144	1	LEVER ASSY., Clutch
44	156143	1	PIN, Pivot
45	156151	1	SCREW, Hex Hd., 5/16-18 x 1-7/8
46	156150	1	SPACER
47	156149	1	SPACER
48	154226	1	SPACER
49	152006	1	SPRING
50	154227	1	BUTTON, Thumb
51	156209	1	GRIP, Handle



**Decal Group**

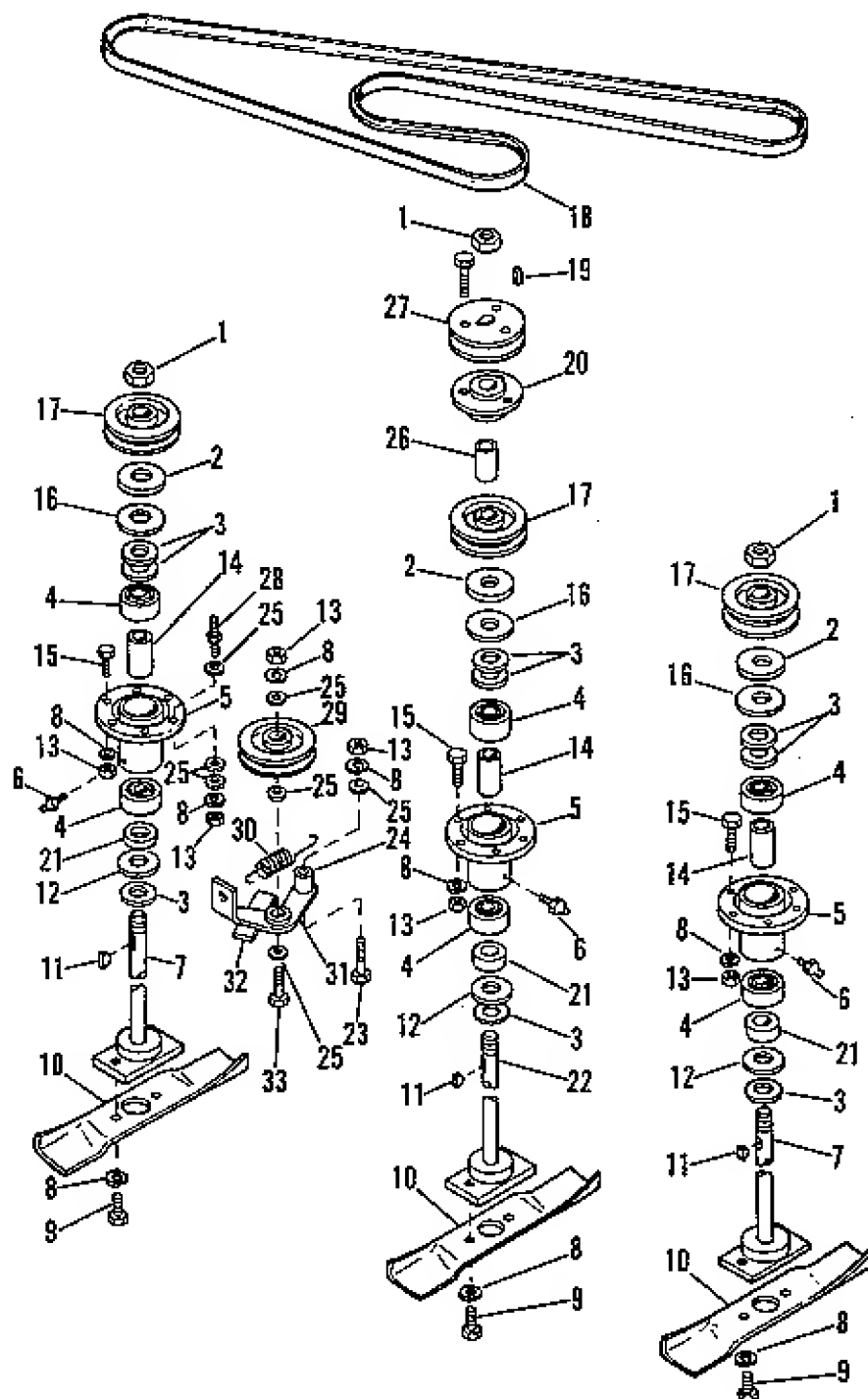
3/80

Ref. No.	Part No.	Qty.	Description
1	1651872	1	DECAL, R.H., Insert
2	1651809	1	DECAL, Grille
3	1651895	1	DECAL, Steering Wheel
4	1651568	1	DECAL, Dash
5	1651804	1	DECAL, Rear Seat Deck (1690020 & 1690106 Only)
	1651823	1	DECAL, Rear Seat Deck
6	1651573	1	DECAL, Safety & Shift Pattern
7	172816	1	FILM, Brake
8	1651871	1	DECAL, L.H. Insert
9	1651801	1	DECAL, Hood, L.H. (1690019 Only)
	1651803	1	DECAL, Hood, L.H.
10	162072	1	DECAL, Clutch
11	172816	1	FILM, Lift Lever
12	1651802	1	DECAL, Hood, R.H. (1690019 Only)
	1651804	1	DECAL, Hood, R.H.

**Mfg. No. 990904****Decal Group**

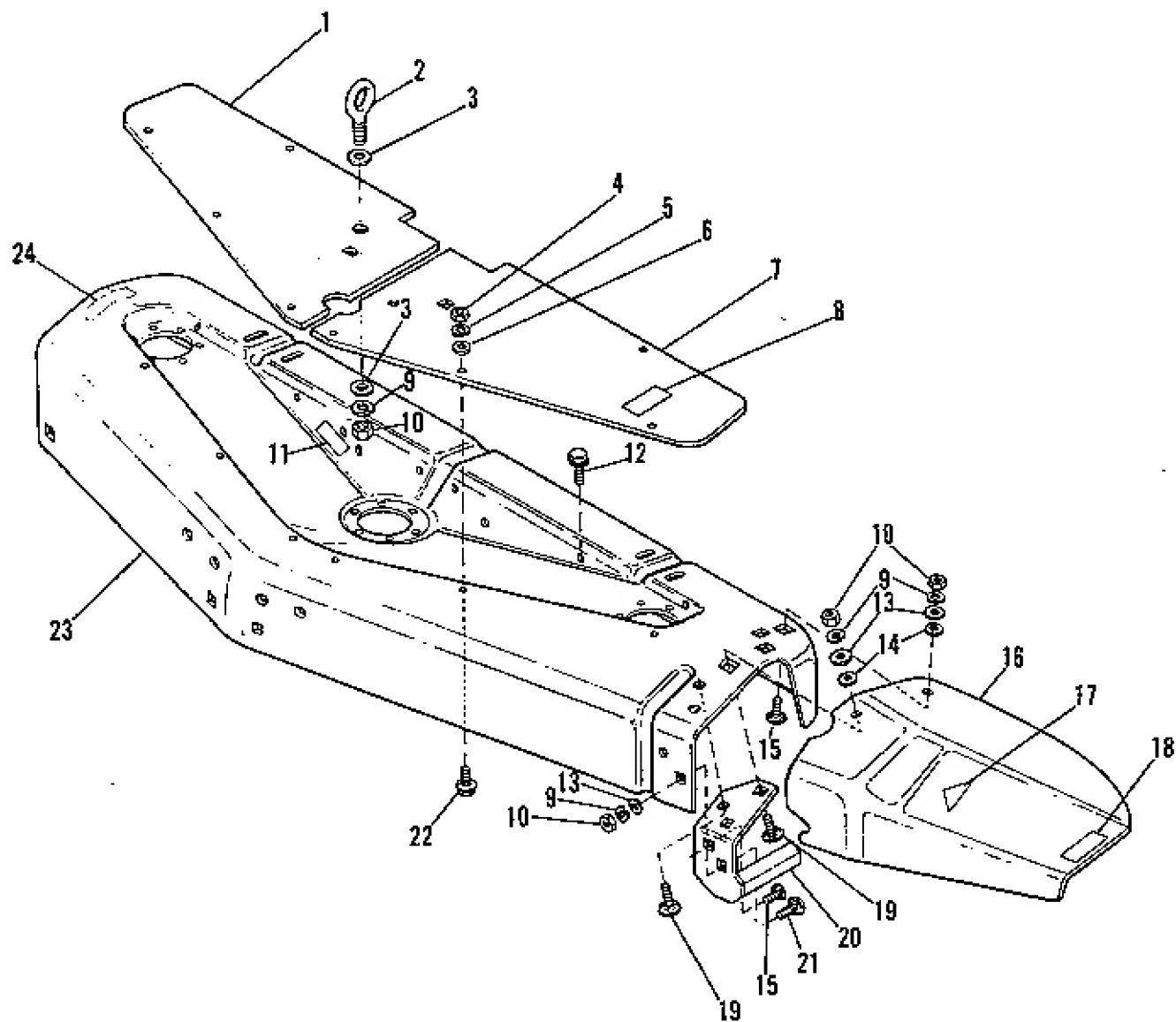
3/80

Ref. No.	Part No.	Qty.	Description
1	165095	1	STRIPE, Hood, Rear
2	170219	1	FILM, Battery
3	165081	1	DECAL, Grille
4	158227	1	EMBLEM
5	174884	1	DECAL, Dash
6	174785	1	DECAL, Safety & Shift
7	165084	1	DECAL, Broadmoor
8	172816	1	FILM, Brake
9	165096	1	DECAL, P.T.O.
10	165094	1	STRIPE, Hood, Front
11	176505	1	DECAL, Simplicity & Number, L.H.
12	176504	1	DECAL, Simplicity & Number, R.H.
13	162072	1	DECAL, Clutch
14	175216	1	FILM, Lift Lever



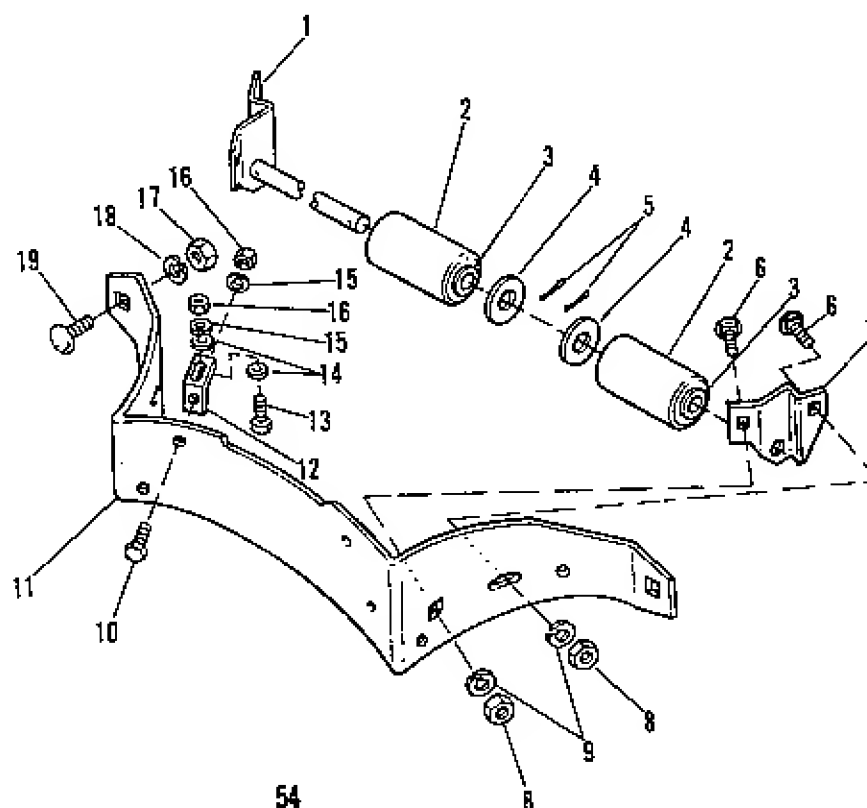
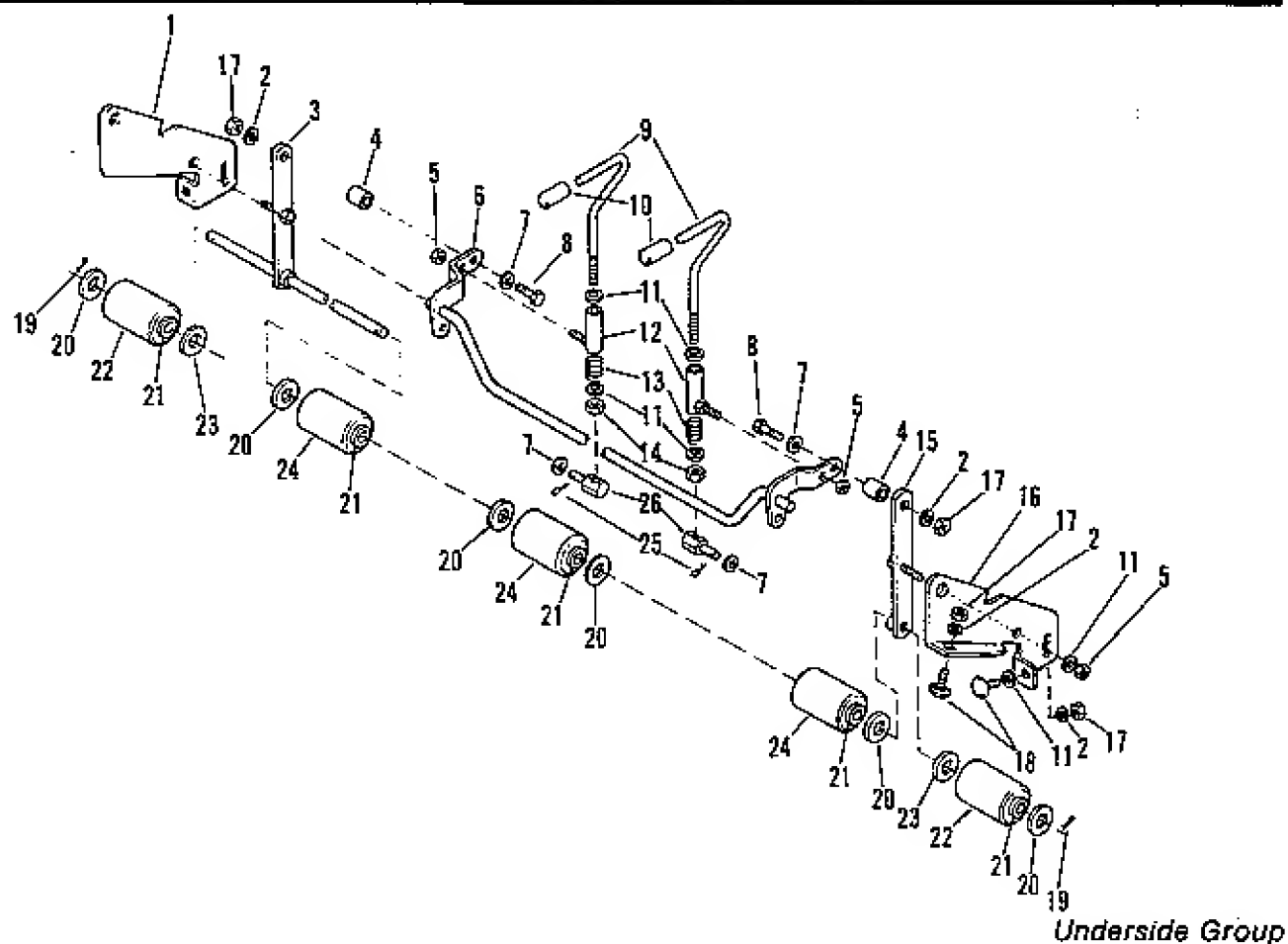
NOTE: Use standard hardware torque spec. chart unless otherwise noted.

Ref. No.	Part No.	Qty.	Description
1	922133	3	LOCKNUT, Hex, Jam, 3/4-16
2	108139	3	FLINGER
3	108181	9	WASHER
4	108202	6	BEARING
5	108679	3	TUBE ASSY., Arbor
6	913958	3	FITTING, Grease
7	108250	2	ARBOR ASSY.
8	916965	25	LOCKWASHER, 3/8
9	922586	6	CAPSCREW, Hex Hd., 3/8-16 x 5/8
10	1656144	3	BLADE
11	918312	3	KEY, Woodruff, #61
12	108257	3	WASHER
13	916950	19	NUT, Hex, Full, 3/8-16
14	108201	3	SPACER
15	921965	17	CAPSCREW, Hex Hd., 3/8-16 x 3/4
16	108134	3	RING, Backing
17	177005	3	PULLEY
18	108209	1	V-BELT
19	157332	1	KEY
20	1651404	1	HUB, Pulley
21	108472	3	WASHER
22	1685004	1	ARBOR ASSY., Drive
23	921971	1	CAPSCREW, Hex Hd., 3/8-16 x 1-3/4
24	8171073	1	BEARING, Inner Race
25	917642	7	WASHER, Plain, 5/16
26	108436	1	SPACER
27	174189	1	PULLEY
28	156131	1	STUD
29	108386	1	PULLEY, Idler
30	154369	1	SPRING
31	108416	1	LEVER ASSY., Idler
32	106582	1	GASKET, Felt
33	108418	1	SCREW, Special



NOTE: Use standard hardware torque spec. chart unless otherwise noted.

Ref. No.	Part No.	Qty.	Description
1	172049	1	COVER, R.H.
2	171815	1	EYEBOLT, Chain
3	917642	2	WASHER, Plain, 5/16
4	916622	2	NUT, Hex, Full, 1/4-20
5	916964	2	LOCKWASHER, 1/4
6	917377	2	WASHER, Plain, 1/4
7	172414	1	COVER, L.H.
8	176151	1	FILM, Safety
9	916965	5	LOCKWASHER, 3/8
10	916950	5	NUT, Hex, Full, 3/8-16
11	106582	1	GASKET, Felt
12	927428	10	SCREW, Hex, Washer Hd., Taptite, 1/4-20 x 3/8
13	8161199	3	WASHER
14	917378	2	WASHER, Plain, 3/8
15	923232	2	BOLT, Carriage, 3/8-16 x 1
16	1651177	1	DEFLECTOR
17		1	DECAL, OPEI
18	176719	1	DECAL, Danger
19	921933	2	BOLT, Carriage, 3/8-16 x 1-1/4
20	174167	1	GUARD ASSY., Stone
21	922249	1	BOLT, Carriage, 3/8-16 x 1
22	925592	2	SCREW, Hex, Washer Hd., Taptite, 1/4-20 x 3/4
23	103302	1	HOUSING, Mower
24	176720	1	DECAL, Caution

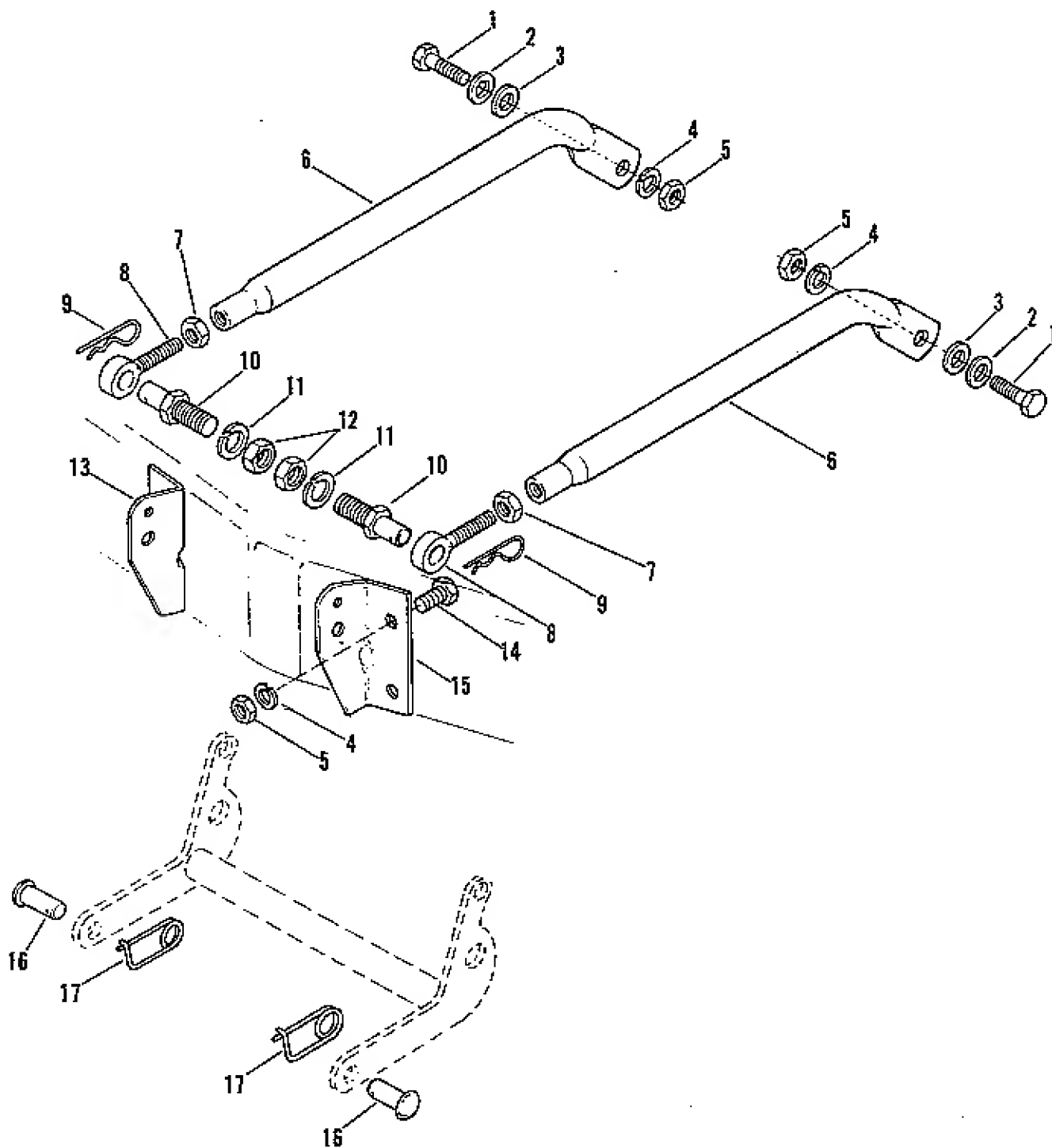


NOTE: Use standard hardware torque spec. chart unless otherwise noted.



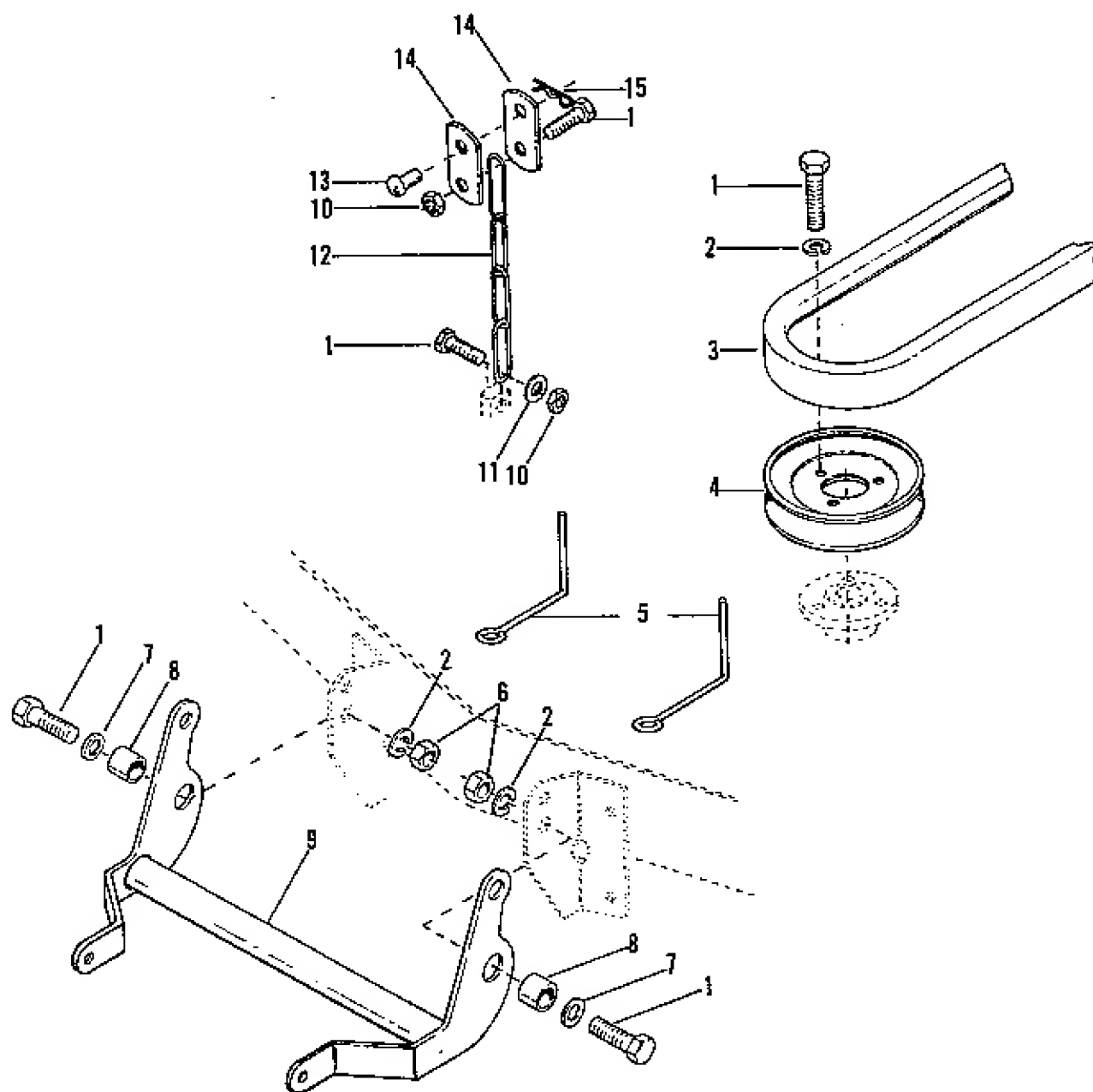
Ref. No.	Part No.	Qty.	Description
1	172044	1	BRACKET, Roller, L.H.
2	916965	6	LOCKWASHER, 3/8
3	1685073	1	ARM ASSY., Shaft & Support
4	153073	2	SPACER
5	930651	4	LOCKNUT, Hex, 3/8-16
6	1651514	1	ARM ASSY., Rocker
7	917642	4	WASHER, Plain, 5/16
8	921210	2	CAPSCREW, Hex Hd., 3/8-16 x 1
9	1650394	2	SCREW ASSY., Adjusting
10	1651820	2	GRIP
11	917378	8	WASHER, Plain, 3/8
12	108241	2	SOCKET ASSY.
13	108360	2	SPRING, Adjusting Screw
14	917421	2	LOCKNUT, Hex, Jam, 3/8-16
15	1685074	1	BAR ASSY., Kit, Roller
16	172045	1	BRACKET, Roller, R.H.
17	916950	6	NUT, Hex, Full, 3/8-16
18	923347	4	BOLT, Carriage, 3/8-16 x 3/4
19	918458	4	PIN, Cotter, 3/16 x 1
20	116001	6	WASHER
21	108419	10	BUSHING
22	108431	2	ROLLER ASSY., W/Bushings
23	8261055	2	WASHER
24	108432	3	ROLLER ASSY., W/Bushings
25	918447	2	PIN, Cotter, 3/32 x 3/4
26	108512	2	PIVOT

Ref. No.	Part No.	Qty.	Description
1	108426	1	BRACKET & SHAFT ASSY.
2	108431	2	ROLLER ASSY., W/Bushings
3	108419	4	BUSHINGS
4	116001	2	WASHER
5	918458	2	PIN, Cotter, 3/16 x 1
6	923346	4	BOLT, Carriage, 5/16-18 x 3/4
7	108224	1	BRACKET, Lower Roller, L.H.
8	917372	4	NUT, Hex, Full, 5/16-18
9	917356	4	LOCKWASHER, 5/16
10	925592	2	SCREW, Self Tapping, Hex Hd., 1/4-20 x 7/8
11	108361	1	BAFFLE
12	108186	2	CLIP, Baffle
13	921959	2	CAPSCREW, Hex Hd., 1/4-20 x 5/8
14	917377	2	WASHER, Plain, 1/4
15	916964	4	LOCKWASHER, 1/4
16	916622	4	NUT, Hex, Full, 1/4-20
17	916960	2	NUT, Hex, Full, 3/8-16
18	916965	2	LOCKWASHER, 3/8
19	922110	2	BOLT, Carriage, 3/8-16 x 3/4



NOTE. Use standard hardware torque spec. chart unless otherwise noted.

Rel. No.	Part No.	Qty.	Description
1	921210	2	CAPSCREW, Hex Hd., 3/8-16 x 1
2	917642	2	WASHER, Plain, 5/16
3	153073	2	SPACER
4	916965	6	LOCKWASHER, 3/8
5	916950	6	NUT, Hex, Full, 3/8-16
6	1651520	2	TUBE, Adjusting
7	919262	2	NUT, Hex, Full, 1/2-20
8	157215	2	EYEBOLT
9	8161045	2	CLIP, Hair Pin
10	1651516	2	PIN, Pivot
11	916966	2	LOCKWASHER, 1/2
12	916951	2	NUT, Hex, Full, 1/2-13
13	1651500	1	BRACKET, Front, R.H.
14	921965	4	CAPSCREW, Hex Hd., 3/8-16 x 3/4
15	1651499	1	BRACKET, Front, L.H.
16	118053	2	PIN
17	176012	2	CLIP, Safety Pin



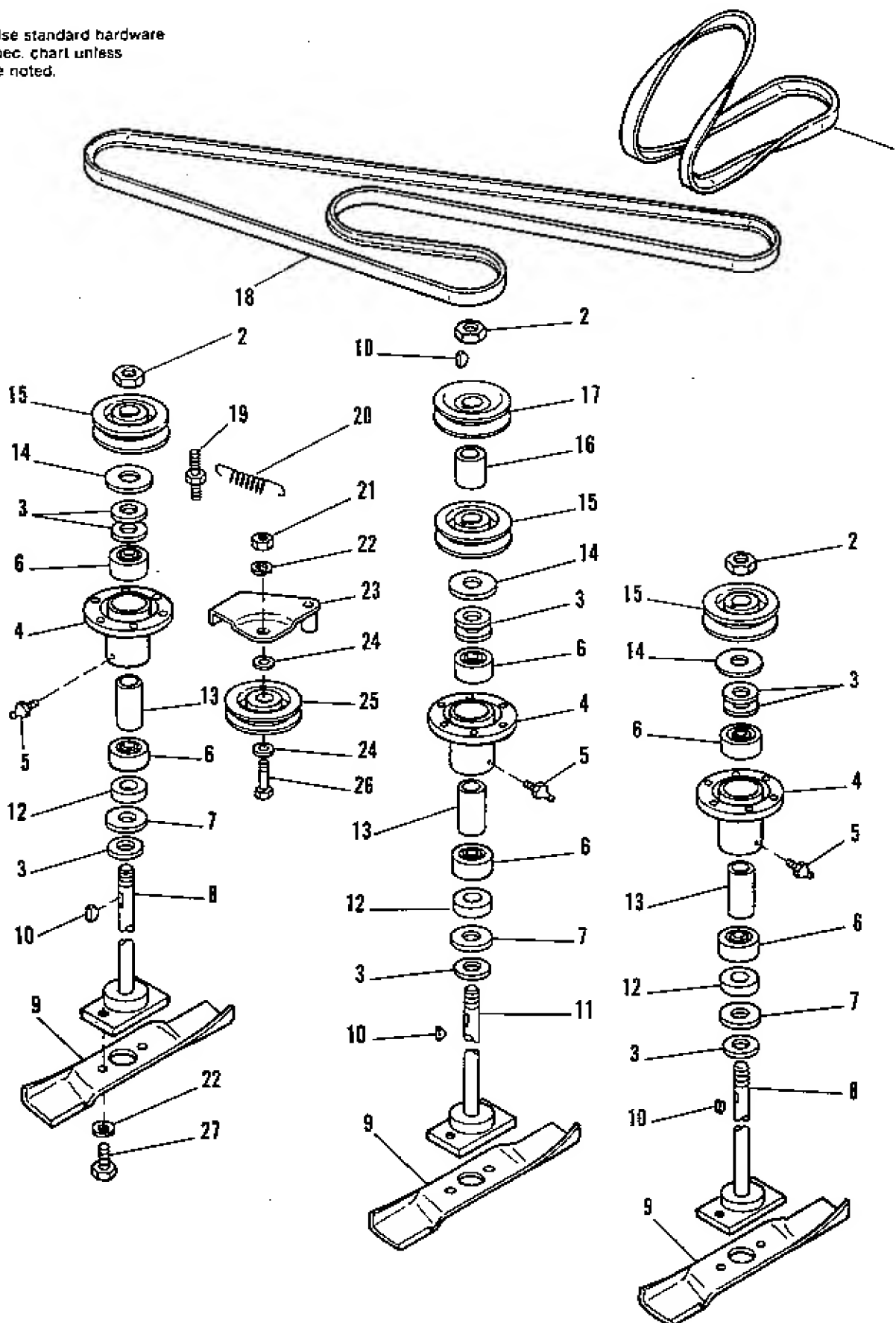
NOTE: Use standard hardware torque spec. chart unless otherwise noted.

**Hitch Group**

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Ref. No.	Part No.	Qty.	Description
1	921210	7	CAPSCREW, Hex Hd., 3/8-16 x 1
2	916965	5	LOCKWASHER, 3/8
3	108209	1	V-BELT
4	1651239	1	PULLEY
5	1651307	2	STOP, Belt
6	916850	2	NUT, Hex, Full, 3/8-16
7	917642	2	WASHER, Plain, 5/16
8	153073	2	SPACER
9	1651521	1	ARM ASSY., Rocker
10	924034	1	LOCKNUT, Hex, Full, 3/8-16
11	917378	1	WASHER, Plain, 3/8
12	177972	1	CHAIN
13	153058	1	PIN
14	108199	2	LINK
15	8161045	1	CLIP, Hair Pin

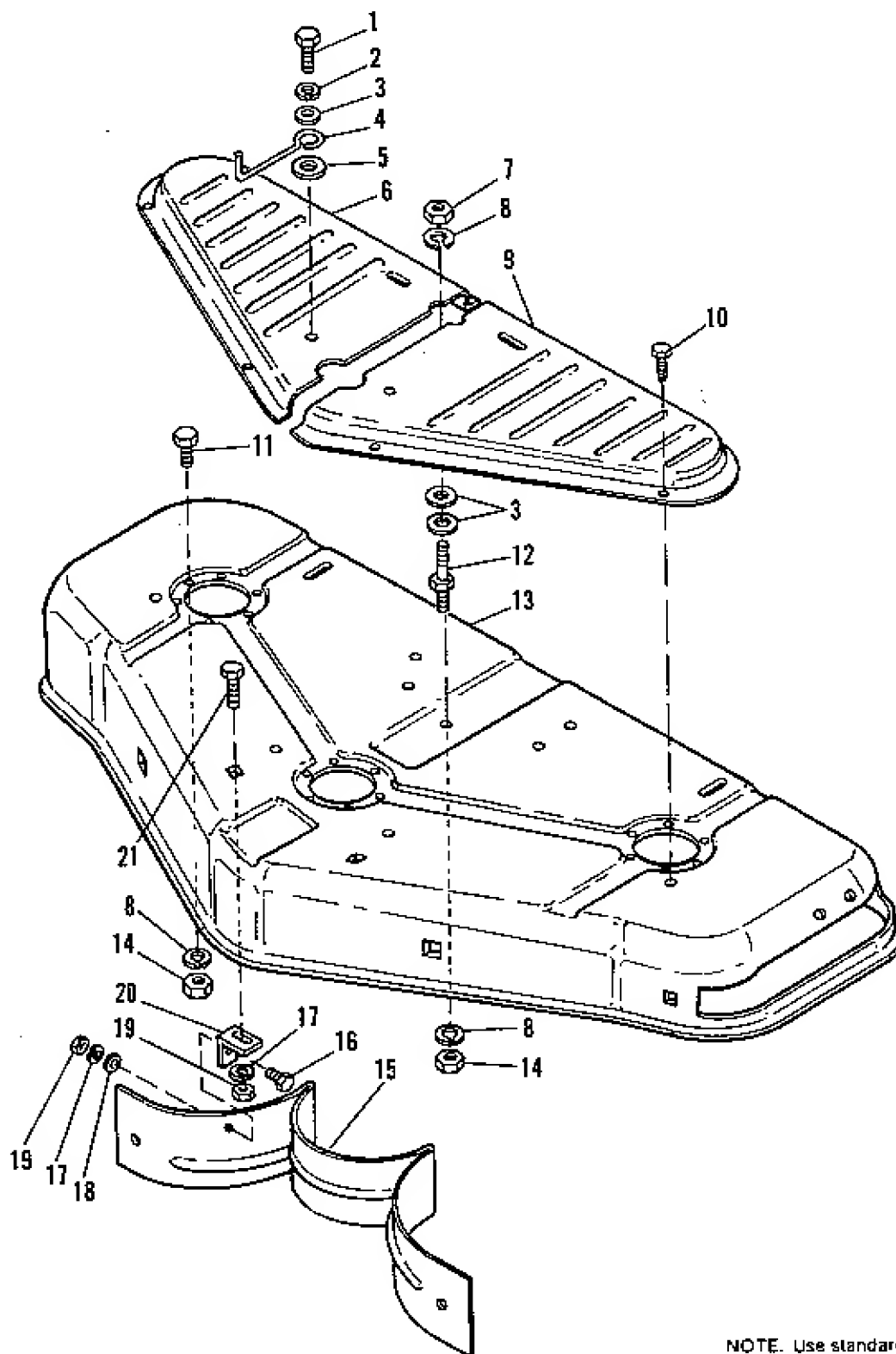
NOTE: Use standard hardware torque spec. chart unless otherwise noted.



## 36" Mower Arbor Group

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Ref. No.	Part No.	Qty.	Description
1	108508	1	V-BELT
2	922133	3	LOCKNUT, Hex, 3/4-16
3	108181	9	WASHER
4	108679	3	TUBE ASSY., Arbor
5	913958	3	FITTING, Grease
6	108202	6	BEARING, Ball
7	108257	3	WASHER
8	108250	2	ARBOR ASSY.
9	108501	3	BLADE
10	918312	4	KEY, Woodruff, 3/16 x 5/8
11	108369	1	ARBOR ASSY., Drive
12	108472	3	WASHER
13	108201	3	SPACER
14	108139	3	FLINGER
15	177005	3	PULLEY
16	108371	1	SPACER
17	108246	1	PULLEY, Cross Drive
18	108505	1	V-BELT
19	156131	1	STUD
20	154369	1	SPRING, Torsion
21	916950	2	NUT, Hex, Full, 3/8-16
22	916965	8	LOCKWASHER, 3/8
23	108493	1	LEVER ASSY.
24	917642	4	WASHER, Plain, 5/16
25	108386	1	PULLEY, Idler
26	108497	1	SCREW, Special
27	922586	6	CAPSCREW, Hex Hd., 3/8-16 x 5/8



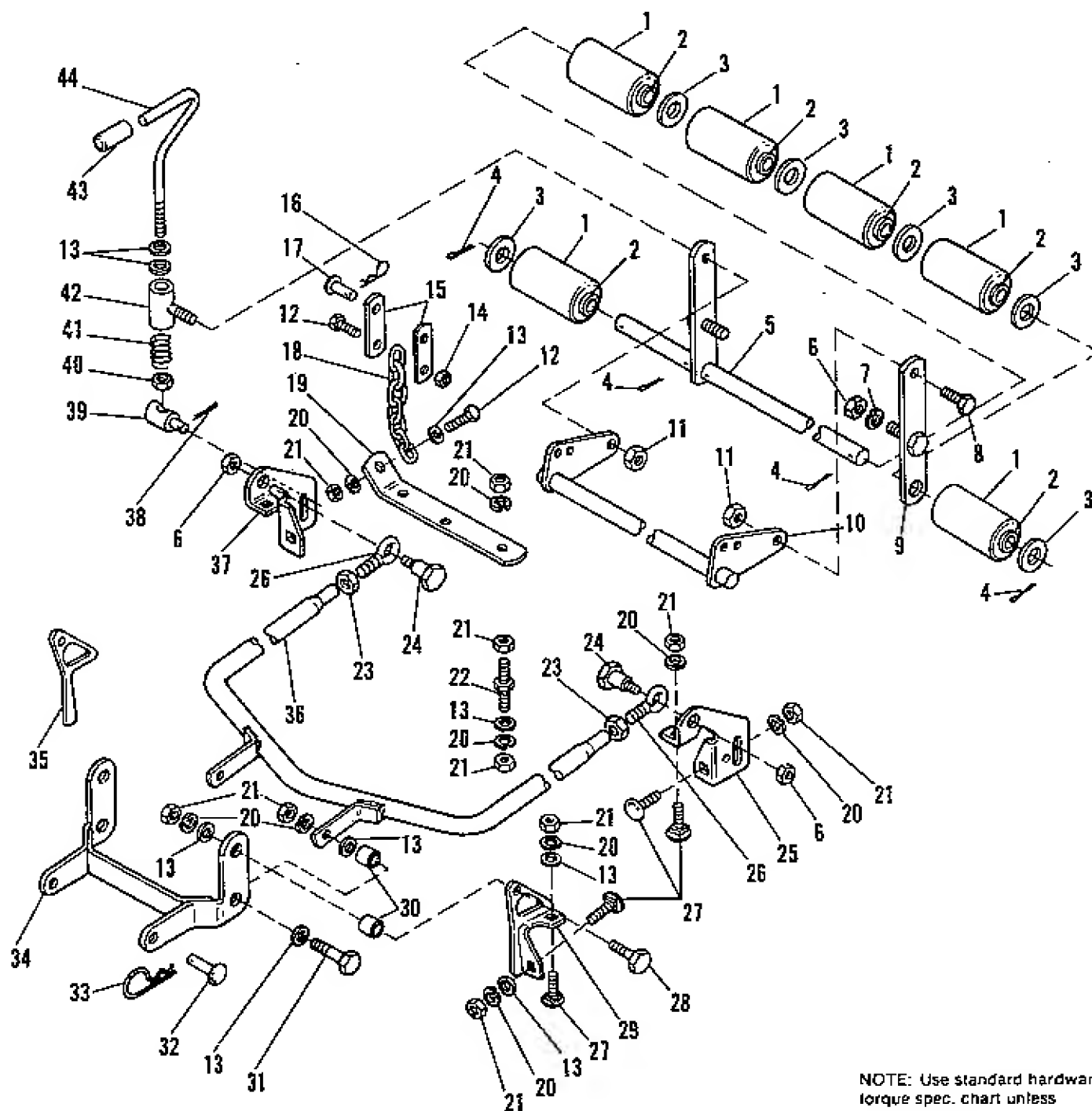
NOTE: Use standard hardware torque spec. chart unless otherwise noted.



**36" Mower Deck Group**

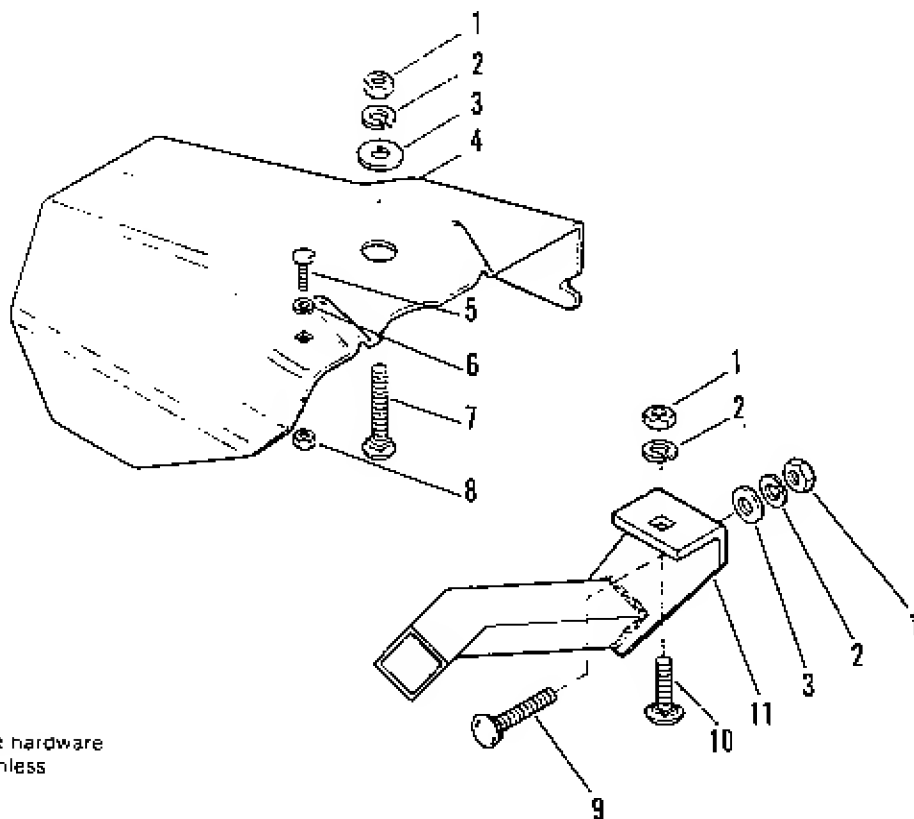
3/80

Ref. No.	Part No.	Qty.	Description
1	921332	2	CAPSCREW, Hex Hd., 5/16-18 x 3/4
2	917358	2	LOCKWASHER, 5/16
3	917642	5	WASHER, Plain, 5/16
4	161080	2	STOP, Belt
5	918431	2	WASHER, Plain, 1/2
6	1651375	1	COVER, Half, L.H.
7	930651	1	LOCKNUT, Hex, 3/8-16
8	918965	10	LOCKWASHER, 3/8
9	1651376	1	COVER, Half, R.H.
10	922123	4	SCREW, Hex, Self Tapping, 1/4-20 x 3/8
11	921965	8	CAPSCREW, Hex Hd., 3/8-16 x 3/4
12	108372	1	STUD
13	103301	1	HOUSING, 36"
14	916950	9	NUT, Hex, Full, 3/8-16
15	108500	1	BAFFLE, Mower
16	921956	2	CAPSCREW, Hex Hd., 1/4-20 x 5/8
17	916964	4	LOCKWASHER, 1/4
18	917377	2	WASHER, Plain, 1/4
19	916622	4	NUT, Hex, Full, 1/4-20
20	108186	2	CLIP, Baffle
21	925592	2	SCREW, Self Tapping, Hex Hd., 1/4-20 x 7/8

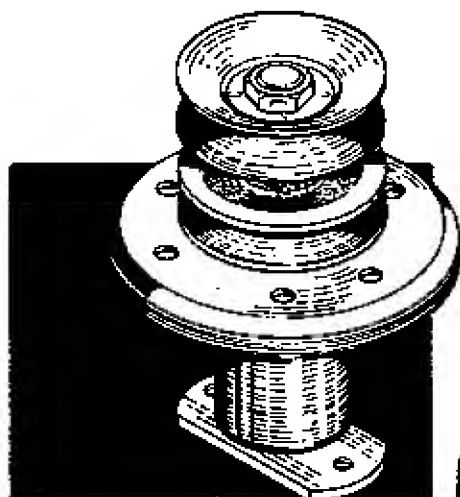


NOTE: Use standard hardware torque spec. chart unless otherwise noted.

Rel. No.	Part No.	Qty.	Description
1	108431	6	ROLLER ASSY., W/Bushing
2	108419	12	BUSHING
3	116001	6	WASHER
4	918458	4	PIN, Cotter, 3/16 x 1
5	170282	1	ROLLER BAR & SHAFT ASSY.
6	930651	4	LOCKNUT, Hex, 3/8-16
7	917642	2	WASHER, Plain, 5/16
8	925204	1	CAPSCREW, Hex Hd., 3/8-16 x 1
9	108256	1	BAR ASSY., Roller
10	1651314	1	LEVER ASSY., Rear
11	928731	2	LOCKNUT, Hex, Jam, 3/8-16
12	921333	2	CAPSCREW, Hex Hd., 5/16-18 x 1
13	917378	13	WASHER, Plain, 3/8
14	923362	1	LOCKNUT, Hex, 5/16-18
15	108199	2	LINK, Mower Lift
16	8161045	1	CLIP, Hair Pin
17	153059	1	PIN
18	107031	1	CHAIN
19	108375	1	BAR, Lift
20	916965	17	LOCKWASHER, 3/8
21	916950	18	NUT, Hex, Full, 3/8-16
22	108372	2	STUD
23	919262	2	LOCKNUT, Hex, Jam, 1/2-20
24	108412	2	BOLT, Shoulder
25	108488	1	BRACKET, Rear, L.H.
26	157215	2	EYEBOLT
27	922110	8	BOLT, Carriage, 3/8-16 x 3/4
28	921210	2	CAPSCREW, Hex Hd., 3/8-16 x 1
29	108483	1	BRACKET, Front, L.H.
30	153073	4	SPACER
31	920415	2	CAPSCREW, Hex Hd., 3/8-16 x 1-1/4
32	156306	2	PIN
33	176012	2	CLIP, Safety Pin
34	108796	1	ARM ASSY., Rocker
35	108484	1	BRACKET, Front, R.H.
36	1651977	1	BAIL ASSY.
37	108489	1	BRACKET, Rear, R.H.
38	918447	1	PIN, Cotter, 3/32 x 3/4
39	108172	1	PIVOT
40	917421	1	LOCKNUT, Hex, Jam, 3/8-16
41	108360	1	SPRING
42	108166	1	SOCKET ASSY., Crank
43	1651820	1	GRIP, Handle
44	1650394	1	SCREW ASSY., Adjusting

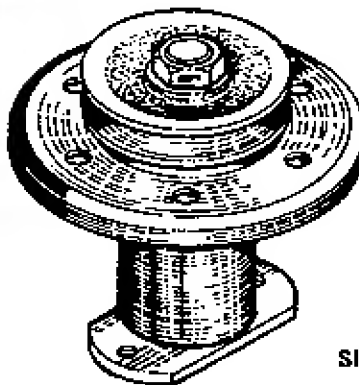


### ARBOR KITS



CENTER ARBOR ASSEMBLY

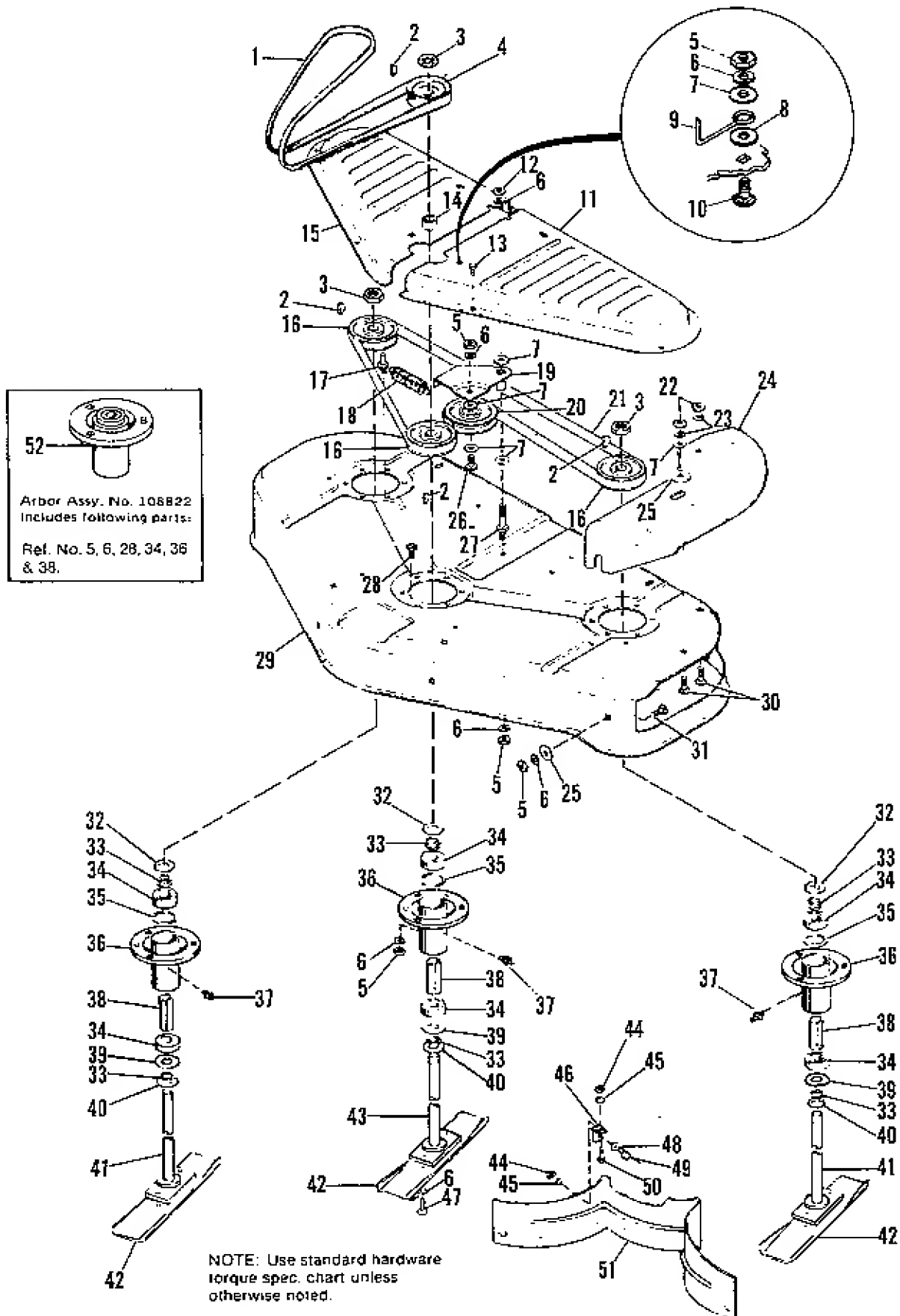
PART NO. 103230



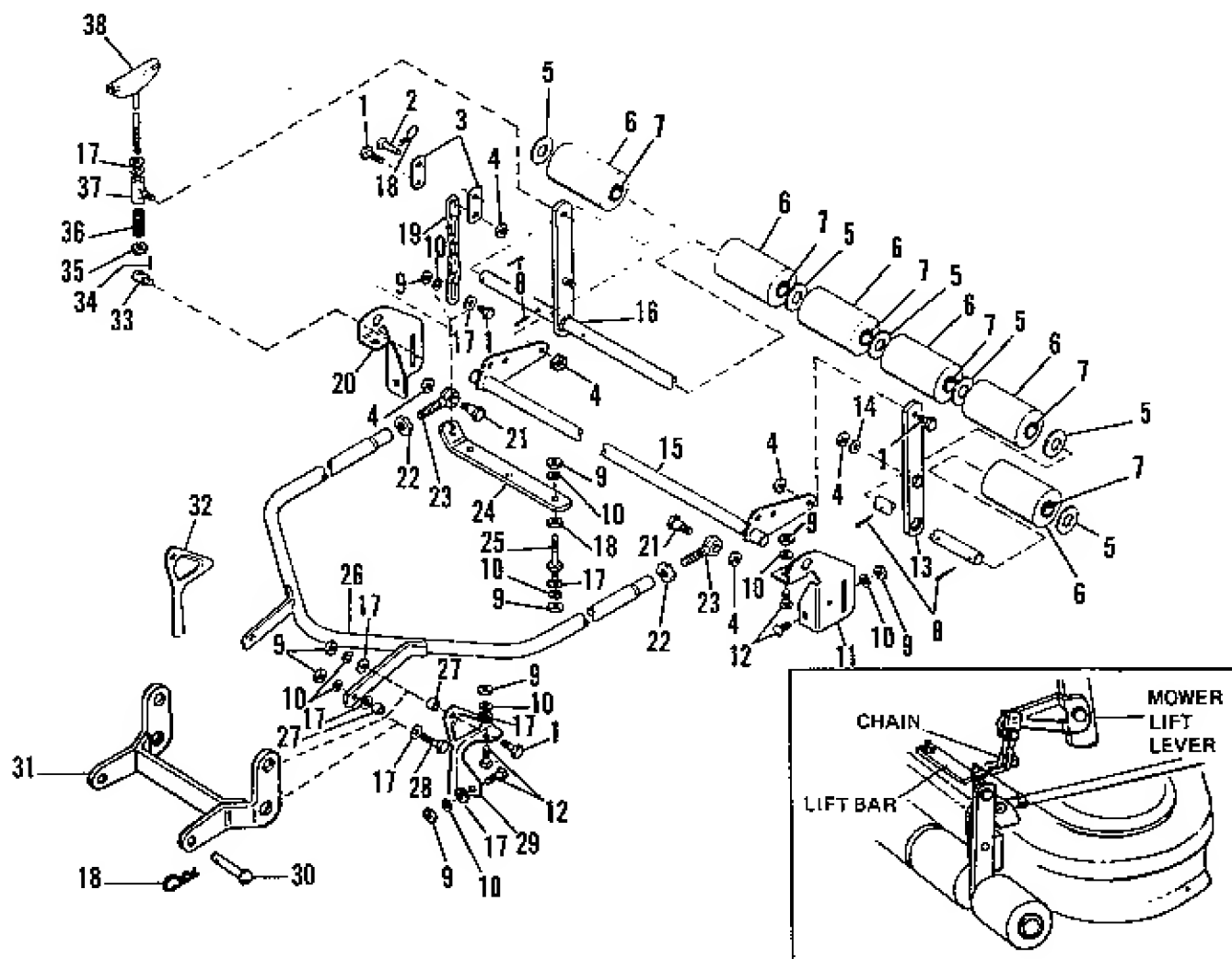
PART NO. 103229

SIDE ARBOR ASSEMBLY

Ref. No.	Part No.	Qty.	Description
1	916950	3	NUT, Hex, Full, 3/8-16
2	916966	3	LOCKWASHER, 3/8
3	8161199	2	WASHER
4	1651311	1	DEFLECTOR
5	921977	1	CAPSCREW, Hex Hd, 5-16-18 x 1-1/4
6	917356	1	LOCKWASHER, 5/16
7	920563	1	BOLT, Carriage, 5/16-18 x 1-1/4
8	916159	1	NUT, Retainer, 5/16-18
9	921933	1	BOLT, Carriage, 3/8-16 x 1-1/4
10	922249	1	BOLT, Carriage, 3/8-16 x 1
11	174108	1	GUARD ASSY., Stone



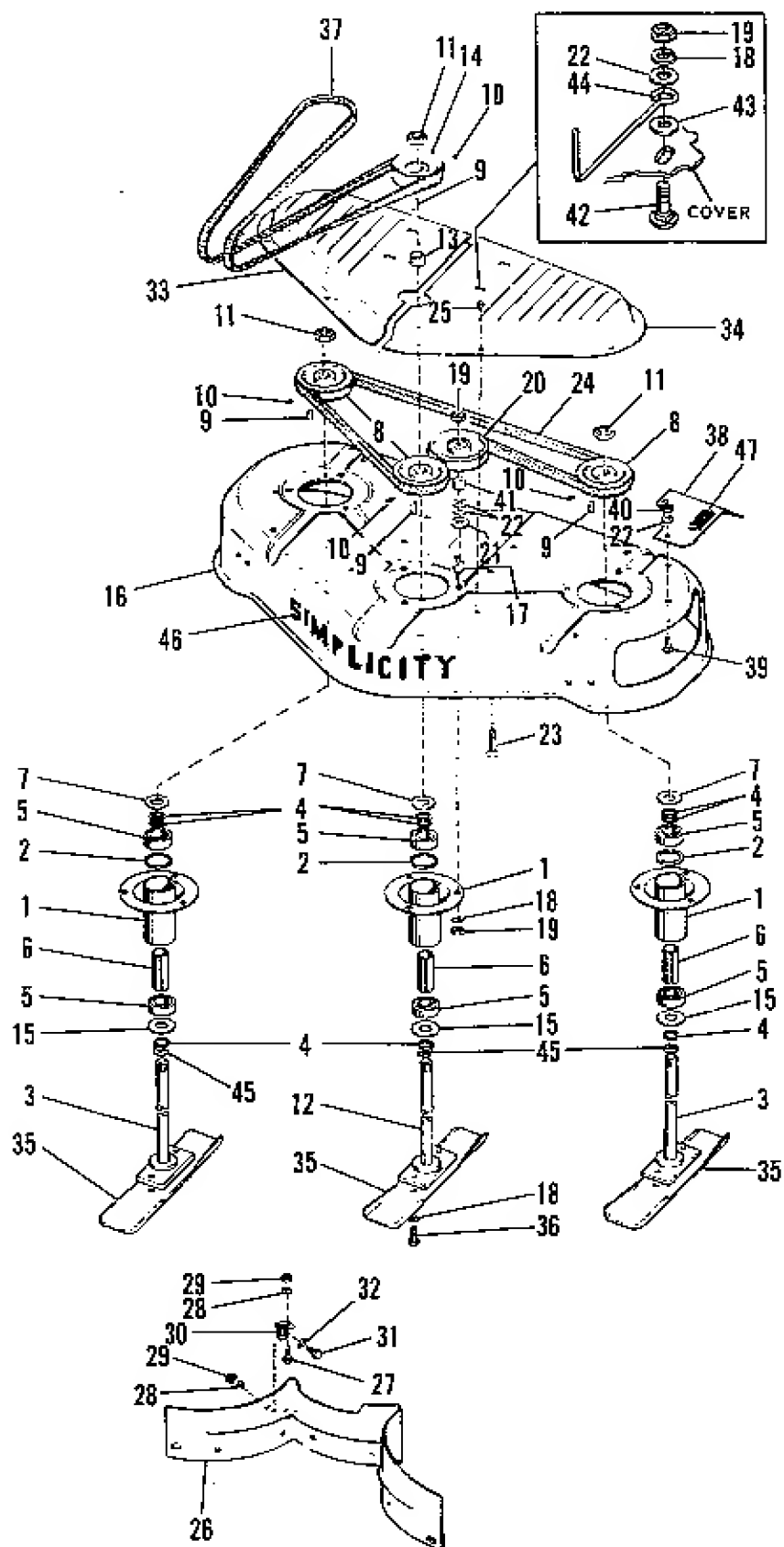
Ref. No.	Part No.	Qty.	Description
1	108508	1	V-BELT
2	918312	3	KEY, Woodruff, #61
3	922133	3	LOCKNUT, Hex, Jam, 3/4-16
4	108246	1	PULLEY, Cross Drive
5	916950	14	NUT, Hex, Full, 3/8-16
6	916965	20	LOCKWASHER, 3/8
7	917642	7	WASHER, Plain, 5/16
8	918430	2	WASHER, Plain, 7/16
9	161080	2	STOP, Belt
10	922249	2	BOLT, Carriage, 3/8-16 x 1
11	1651375	1	COVER, Housing, R.H. Half
12	930651	1	LOCKNUT, Hex, 3/8-16
13	922123	4	SCREW, Self Tapping, Hex Hd., #10 x 1/2
14	108371	1	SPACER
15	1651376	1	COVER, Housing, L.H. Half
16	177005	3	PULLEY
17	156131	1	STUD
18	154369	1	SPRING
19	108493	1	LEVER ASSY.
20	108386	1	PULLEY, Idler
21	108505	1	V-Belt
22	917372	2	NUT, Hex, Full, 5/16-18
23	917358	2	LOCKWASHER, 5/16
24	108504	1	DEFLECTOR
25	8161199	2	WASHER, Special
26	108497	1	SCREW, Special
27	108372	1	STUD
28	921965	8	CAPSCREW, Hex Hd., 3/8-16 x 3/4
29	103294	1	HOUSING KIT, 36"
30	920562	2	BOLT, Carriage, 5/16-18 x 3/4
31	922110	1	BOLT, Carriage, 3/8-16 x 3/4
32	108139	3	FLINGER
33	108181	9	WASHER
34	108202	6	BEARING, Ball
35	108134	3	RING, Backing
36	108679	3	TUBE ASSY., Arbor
37	913958	3	FITTING, Grease
38	108201	3	SPACER
39	108257	3	WASHER
40	108472	3	WASHER
41	108250	2	ARBOR ASSY.
42	108501	3	BLADE
43	108369	1	ARBOR ASSY., Drive
44	916622	4	NUT, Hex, Full, 1/4-20
45	916964	4	LOCKWASHER, 1/4
46	108186	2	CLIP, Baffle
47	922586	6	CAPSCREW, Hex Hd., 3/8-16 x 5/8
48	917377	2	WASHER, Plain, 1/4
49	921959	2	CAPSCREW, Hex Hd., 1/4-20 x 5/8
50	922125	2	SCREW, Self Tapping, Hex Hd., 1/4-20 x 7/8
51	108500	1	BAFFLE
52	108822	1	ARBOR ASSY., W/Bearings



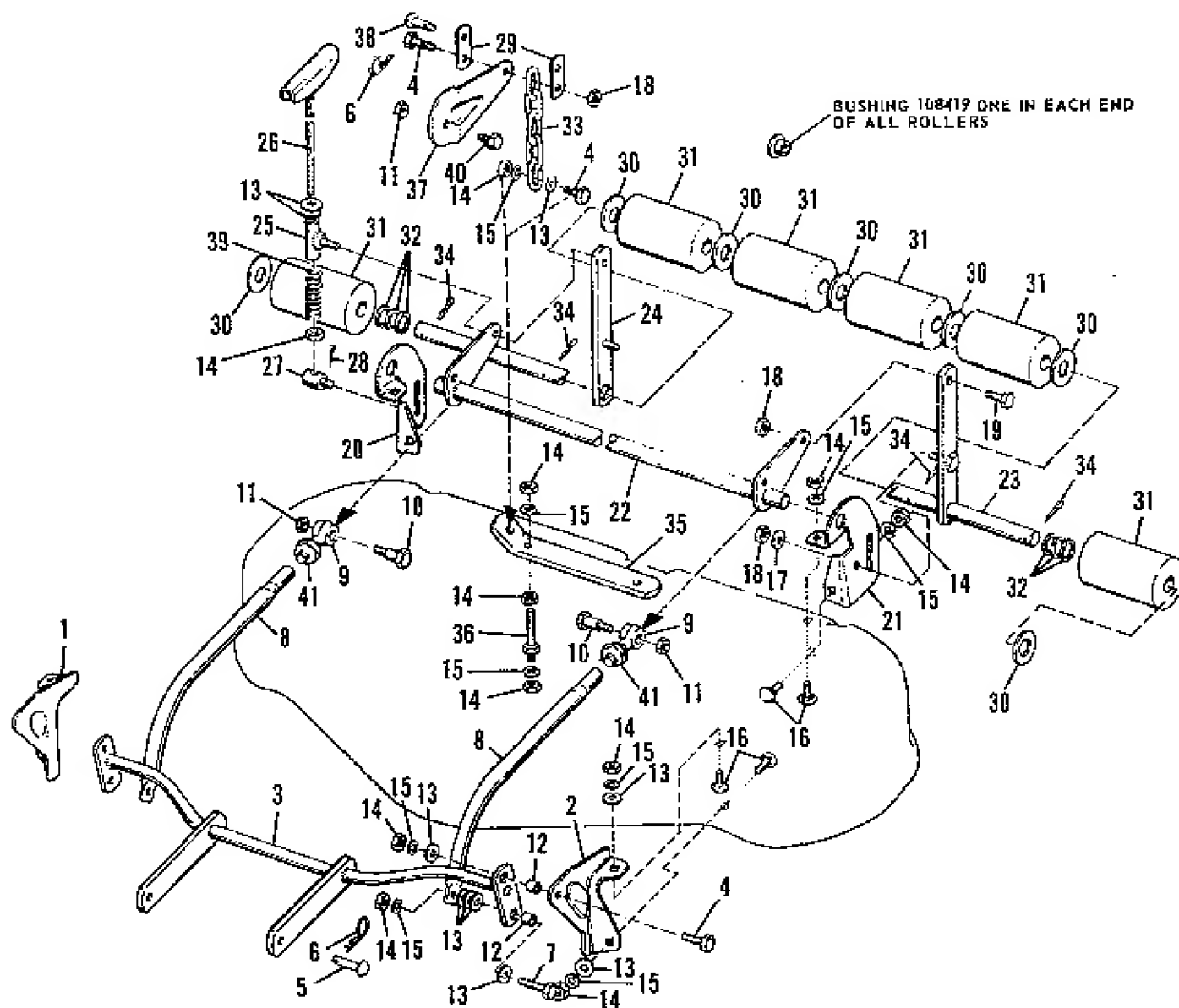
NOTE: Use standard hardware torque spec. chart unless otherwise noted.



Ref. No.	Part No.	Qty.	Description
1	921210	5	CAPSCREW, Hex Hd., 3/8-16 x 1
2	153058	1	PIN
3	108199	2	LINK, Mower Lift
4	930651	6	LOCKNUT, Hex, 3/8-16
5	116001	6	WASHER
6	108431	6	ROLLER ASSY., W/Bushings
7	108419	12	BUSHING
8	918458	4	PIN, Cotter, 3/16 x 1
9	916950	18	NUT, Hex, Full, 3/8-16
10	916965	17	LOCKWASHER, 3/8
11	108488	1	BRACKET, Rear, L.H.
12	922110	8	BOLT, Carriage, 3/8-16 x 3/4
13	108256	1	BAR ASSY., Roller
14	917642	2	WASHER, Plain, 5/16
15	108160	1	LEVER ASSY., Rear
16	170282	1	ROLLER BAR & SHAFT ASSY.
17	917378	13	WASHER, Plain, 3/8
18	8161045	3	CLIP, Hair Pin
19	107031	1	CHAIN
20	108489	1	BRACKET, Rear, R.H.
21	108412	2	BOLT, Shoulder
22	919262	2	LOCKNUT, Hex, Jam, 1/2-20
23	157215	2	EYEBOLT
24	108375	1	BAR, Lift
25	108372	1	STUD
26	108487	1	BAIL ASSY.
27	153073	4	SPACER
28	920415	2	CAPSCREW, Hex Hd., 3/8-16 x 1-1/4
29	108483	1	BRACKET, Front, L.H.
30	156306	2	PIN
31	108796	1	ARM ASSY., Rocker
32	108484	1	BRACKET, Front, R.H.
33	108172	1	PIVOT
34	918447	1	PIN, Cotter, 3/32 x 3/4
35	917421	1	LOCKNUT, Hex, Jam, 3/8-16
36	108360	1	SPRING
37	108166	1	SOCKET ASSY., Crank
38	108415	1	SCREW ASSY., Adjusting



Ref. No.	Part No.	Qty.	Description
1	108203	3	ARBOR TUBE ASSY.
2	108134	3	RING, Backing
3	108250	2	ARBOR ASSY.
4	108181	9	WASHER
5	108202	6	BEARING
6	108201	3	SPACER
7	108139	3	FLINGER
8	108142	3	PULLEY
9	918312	4	KEY, Woodruff, 3/16 x 5/8
10	930544	4	SCREW, Set, Socket Hd., Cup Pt., 5/16-18 x 3/8
11	922133	3	NUT, Hex, Jam, 3/4-16
12	108369	1	ARBOR DRIVE ASSY.
13	108371	1	SPACER
14	108246	1	PULLEY, Cross Drive
15	108257	3	WASHER
16	108147	1	HOUSING
17	922110	1	BOLT, Carriage, 3/8-16 x 3/4
18	916965	5	LOCKWASHER, 3/8
19	916950	2	NUT, Hex, Full, 3/8-16
20	108386	1	PULLEY, Idler
21	918431	1	WASHER
22	917642	5	WASHER, Plain, 5/16
23	923420	1	BOLT, Carriage, 3/8-16 x 1-3/4
24	108151	1	V-BELT
25	922123	8	SCREW, Self Tapp., Rec. Hex Hd., 1/4-10 x 7/8
26	108187	1	BAFFLE, Mower
27	922125	1	SCREW, Self Tapp., Rec. Hex Hd., 1/4-20 x 3/8
28	916964	1	LOCKWASHER, 1/4
29	916622	1	NUT, Hex, Full, 1/4-20
30	108186	1	CLIP, Baffle
31	921959	1	CAPSCREW, Hex, 1/4-20 x 5/8
32	917377	1	WASHER, Plain, 1/4
33	108301	1	COVER, R.H.
34	108302	1	COVER, L.H.
35	108297	3	BLADE
36	922586	3	CAPSCREW, Hex Hd., 3/8-16 x 5/8
37	106723	1	V-BELT, Cross Drive
38	108390	1	DEFLECTOR
39	920562	2	BOLT, Carriage, 5/16-18 x 3/4
40	917372	2	NUT, Hex, Full, 5/16-18
41	157081	1	SPACER
42	922249	1	BOLT, Carriage, 3/8-16 x 1
43	918430	1	WASHER, Plain, 7/16
44	8161158	1	STOP, Belt
45	108472	3	WASHER
46	155061	1	DECAL, Simplicity
47	103031	1	DECAL, Safety



## 32" Hitch &amp; Rollers Group




**Simplicity**

3/80

Ref. No.	Part No.	Qty.	Description
1	108376	1	BRACKET, Front, R.H.
2	108377	1	BRACKET, Front, L.H.
3	108427	1	MOWER HITCH ASSY.
4	921210	3	CAPSCREW, Hex, 3/8-16 x 1
5	156306	2	PIN
6	9161045	3	CLIP, Spring
7	917400	2	CAPSCREW, Hex, 3/8-16 x 1-1/4
8	108411	2	ARM, Adjusting
9	157215	2	BOLT, Eye
10	108412	2	BOLT, Shoulder
11	930651	3	LOCKNUT, Hex, Full, 3/8-16
12	154177	2	SPACER
13	917378	17	WASHER, Plain, 3/8
14	917421	16	NUT, Hex, Jam, 3/8-16
15	916965	16	LOCKWASHER, 3/8
16	922110	8	BOLT, Carriage, 3/8-16 x 3/4
17	917642	2	WASHER, Plain, 5/16
18	930651	5	LOCKNUT, Hex, Full, 3/8-16
19	919357	1	CAPSCREW, Hex, 3/8-16 x 7/8
20	108159	1	BRACKET, Roller, R.H.
21	108163	1	BRACKET, Roller, L.H.
22	108160	1	LEVER ASSY., Rear
23	108254	1	BAR & SHAFT ASSY.
24	108256	1	ROLLER BAR ASSY.
25	108166	1	SOCKET ASSY., Crank
26	108415	1	ADJUSTMENT SCREW ASSY.
27	108172	1	PIVOT
28	918447	1	PIN, Cotter, 3/32 x 3/4
29	108199	2	MOWER LIFT LINK
30	116001	7	WASHER
31	108413	6	ROLLER W/Bushing
32	8261055	6	WASHER (as required)
33	107031	1	CHAIN
34	918458	4	PIN, Cotter, 3/16 x 1
35	108375	1	BAR, Lift
36	108372	1	STUD
37	108385	1	LEVER, Lift, Mower
38	153059	1	PIN, 3/8 x 1
39	108360	1	SPRING
40	919357	1	CAPSCREW, Hex, 3/8-16 x 7/8
41	919262	1	NUT, Hex, Jam, 1/2-20



**TORQUE SPECIFICATIONS FOR  
STANDARD MACHINE HARDWARE**  
**TOLERANCE    ± 20%**

SIZE	SAE GRADE #2 	SAE GRADE #5 	SAE GRADE #8 
8-32	19    In. Lbs.	30    In. Lbs.	41    In. Lbs.
8-36	20    "	31    "	43    "
10-24	27    "	43    "	60    "
10-32	31    "	49    "	68    "
1/4-20	66    "	8    Ft. Lbs	12    Ft. Lbs.
1/4-28	76    "	10    "	14    "
5/16-18	11    Ft. Lbs	17    "	25    "
5/16-24	12    "	19    "	25    "
3/8-16	20    "	30    "	45    "
3/8-24	23    "	35    "	50    "
7/16-14	30    "	50    "	70    "
7/16-20	35    "	55    "	80    "
1/2-13	50    "	75    "	110    "
1/2-20	55    "	90    "	120    "
9/16-12	65    "	110    "	150    "
9/16-18	75    "	120    "	170    "
5/8-11	90    "	150    "	220    "
5/8-18	100    "	180    "	240    "
3/4-10	160    "	260    "	386    "
3/4-16	180    "	300    "	420    "
7/8-9	140    "	400    "	600    "
7/8-14	155    "	440    "	660    "
1-8	220    "	580    "	900    "
1-12	240    "	640    "	1,000    "

**NOTE:**

1. These torque values are to be used for all Simplicity hardware excluding: locknuts, self-tapping screws, thread forming screws, sheet metal screws and socket head setscrews.
2. Recommended seating torque values for locknuts:
  - a. For prevailing torque locknuts - use 65% of grade 5 torques.
  - b. For flange whizlock nuts (and screws) - use 135% of grade 5 torques.
3. Unless otherwise noted on assembly drawings all torque values must meet this specification.

**BOLT HEAD MARKING  
S.A.E. GRADE:**

2 

5 

8 

